Vertex Standard

VHF FM Transceiver

VX-2100 Series
VX-2200 Series

Service Manual

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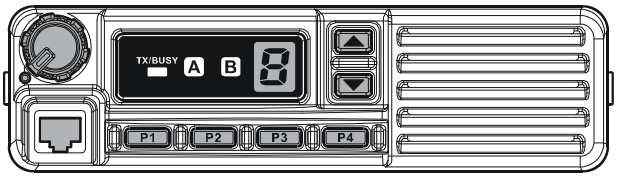
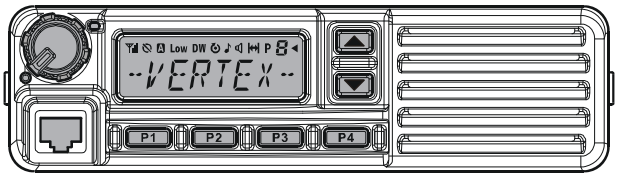


VX-2100 Series



VX-2200 Series

Introduction

This manual provides the technical information necessary for servicing the **VX-2100/-2200** Series Mobile Transceiver.

Servicing this equipment requires expertise in handing surface-mount chip components. Attempts by non-qualified persons to service this equipment may result in permanent damage not covered by the warranty, and may be illegal in some countries.

Two PCB layout diagrams are provided for each double-sided board in this transceiver. Each side of the board is referred to by the type of the majority of components installed on that side ("Side A" or "Side B"). In most cases one side has only chip components (surface-mount devices), and the other has either a mixture of both chip and leaded components (trimmers, coils, electrolytic capacitors, ICs, etc.), or leaded components only.

As described in the pages to follow, the advanced microprocessor design of the **VX-2100/-2200** allows a complete alignment of this transceiver to be performed without opening the case of the radio; all adjustments can be performed from the personal computer, using with the Vertex Standard VPL-1 Programming Cable and CE82 Software.

While we believe the information in this manual to be correct, Vertex Standard assumes no liability for damage that may occur as a result of typographical or other errors that may be present. Your cooperation in pointing out any inconsistencies in the technical information would be appreciated.

Important Note

This transceiver was assembled using Pb (lead) free solder, based on the RoHS specification.

Only lead-free solder (Alloy Composition: Sn-3.0Ag-0.5Cu) should be used for repairs performed on this apparatus. The solder stated above utilizes the alloy composition required for compliance with the lead-free specification, and any solder with the above alloy composition may be used.

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Board Units (Schematics, Layouts & Parts)
MAIN Unit (25 W & 50 W: Lot. 1 ~ 32) H-1
MAIN-2 Unit (50 W: Lot. 33 ~) h-1
FRONT-A Unit (VX-2100) I-1
FRONT-B Unit (VX-2200) J-1
Optional Units (Schematics, Layouts & Parts)
FVP-25 Encryption/DTMF Pager Unit K-1
FVP-36 Voice Inversion Type Encryption Unit L-1

Specifications (VTX/EXP Version)

General

Frequency Ranges:	134 -174 MHz
Number of Groups:	1 groups (VX-2100 Series)
	8 groups (VX-2200 Series)
Number of Channels:	8 channels (VX-2100 Series)
	128 channels (VX-2200 Series)
Power Supply Voltage:	13.6 V ± 15%
Channel Spacing:	6.25 / 12.5 / 25 kHz
Current Consumption (Approx.):	TX: 11 A (50 W) or 6 A (25 W)
	RX: 2.5 A
	Standby: 250 mA
Operating Temperature Range:	–22 °F to +140 °F (–30 °C to +60 °C)
Frequency Stability:	Better than ±2.5 ppm
RF Input-Output Impedance:	50 Ohm
Dimension (W x H x D):	6.5″ x 1.8″ x 6.1″ inch (165 x 45 x 155 mm) (W/O knob)
Weight (Approx.):	2.87 lbs (1.3 kg)

Receiver (Measured by TIA/EIA-603-A)

Sensitivity (12 dB SINAD):	0.25 μV
Intermediate Frequency:	1st: 67.65 MHz, 2nd: 450 kHz
Adjacent Channel Selectivity:	75 dB (25 kHz)
	65 dB (12.5 kHz)
Intermodulation:	73 dB (25 kHz)
	70 dB (12.5 kHz)
Spurious & Image Rejection:	90 dB
Audio Output:	Internal: 4 W @18 Ω, 5% THD
	External: 12 W @4 Ω, 5% THD

Transmitter (Measured by TIA/EIA-603-A)

Output Power :	50 / 25 / 10 W (50 W)
	25 / 12.5 / 5 / 1 W (25 W)
Modulation:	16K0F3E, 11K0F3E
Maximum Deviation:	±5 kHz (25 kHz)
	±2.5 kHz (12.5 kHz)
Audio Distortion:	< 3 % (@1 kHz)
Conducted Spurious Emission:	70 dB below carrier

Specifications subject to change without notice or obligation.

General

Frequency Ranges:	134 -174 MHz
Number of Groups:	1 groups (VX-2100 Series)
	8 groups (VX-2200 Series)
Number of Channels:	8 channels (VX-2100 Series)
	128 channels (VX-2200 Series)
Power Supply Voltage:	10.8 - 15.6 V DC
Channel Spacing:	12.5 / 20 / 25 kHz
Current Consumption (Approx.):	TX: 6 A
	RX: 2.5 A
	Standby: 200 mA
Operating Temperature Range:	–30 °C to +60 °C
Frequency Stability:	Better than ±2.5 ppm
RF Input-Output Impedance:	50 Ohm
Dimension (W x H x D):	165 x 45 x 155 mm
Weight (Approx.):	1.3 kg

Receiver (Measured by EN300 086)

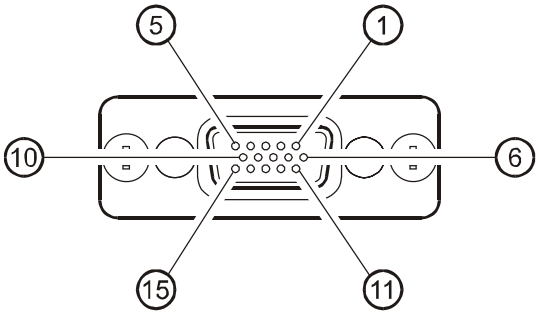
Sensitivity (20 dB SINAD) (W/N):	–4 dB μV / –2 dB μV
Adjacent Channel Selectivity:	75 dB / 68 dB
Intermodulation:	68 dB
Spurious Response Rejection:	80 dB
Audio Output:	Internal: 4 W @18 Ω, 5% THD
	External: 12 W @4 Ω, 5% THD
Spurious Radiations:	–57 dBm

Transmitter (Measured by EN300 086)

Output Power :	25 / 12.5 / 5 / 1 W
Maximum Deviation:	±5.0 kHz (25 kHz)
	±4.0 kHz (20 kHz)
	±2.5 kHz (12.5 kHz)
FM noise (W/N):	50 / 44 dB
Audio Distortion:	Less than 3 % @ 1 kHz
Spurious Emission:	–36 dBm < 1 GHz / –30 dBm > 1 GHz

Applcable Standards : EN300 086, 113, 219 · EN301 489 · EU directive 2004/104/EC
Specifications subject to change without notice or obligation.

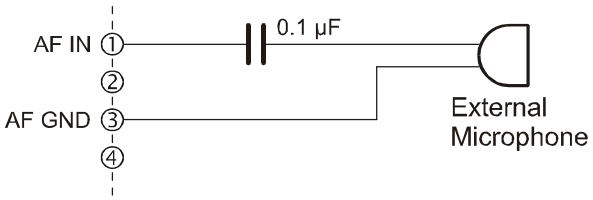
DSUB 15-pin Accessory Connector



Pin 1: AF IN (Analog Input)

External Microphone Input. Nominal input level is 6 mV at 600-ohm.

When connect the External Microphone to this port, insert a 0.1 µF coupling capacitor between the microphone and this port; as shown illustlation.



Pin 2: AF OUT (Analog Output)

Low-level receiver output. Peak signal level is 150 mV at 600-ohm.

Pin 3: AF GND

Ground for all logic levels and power supply return.

Pin 4: DC OUT (13.6 V DC Output)

Switched 13.6V output for supplying power to an accessory.

Pin 5: RSSI (Analog Output)

A DC voltage proportional to the strength of the signal currently being received (Receiver Signal Strength Indicator) is provided on this pin. This low impedance output is gererated by the receiver IF sub-system and bufferd by an internal op-amp. Typical output voltages are 1 V (@No Signal Input) through 2.0 V (@50 dB Signal Input).

Pin 6: EXT PTT

Shorting this port to ground causes the transceiver to be placed in the Transmit mode, while opening the connection to this port returns the transceiver to the Receive mode. Opening voltage is 5 V, closed current approx. 5 mA.

Pin 7: TRX

This port is intended for controlling an external TX/RX switching circuit. When the transceiver is placed in the the Receiver mode, this port is 5 V. When the transceiver is placed in the the Transmit mode, this port reduse to 0 V.

Pin 8: IGN (Ignition Sense feature)

The VX-2100/-2200 may be automatically be switched to the STND-BY mode when the vehicle's ignition key is turned on. Maximum current is 20 mA.

Pin 9 - 12: ACC1 - ACC4 (Accessory Port)

These port features can be programmed via the CE82 programmer. Each port is open collector output which can sink approx. 100 mA when active. Max. output 16V. When the input is selected, it becomes active between 2V and 16V.

Pin 13: ACC5 (Accessory Port)

The port 5 is available to set only for Output function, and active logic is the opposite side against the Port 1 ~ 4.

Max.output 5V, closed current approx. 1 mA.
(CMOS output)

Pin 14: ACC6 (Accessory Port)

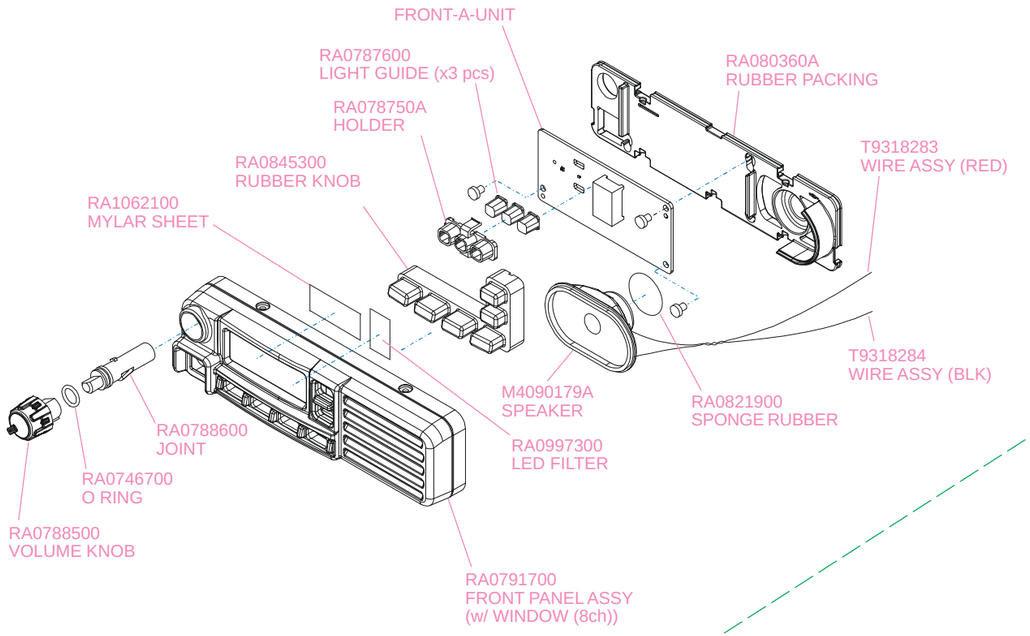
The port 6 is available to set only for Input function, and active logic is the opposite side against the Port 1 ~ 4.

Max.input 5V. (CMOS input)

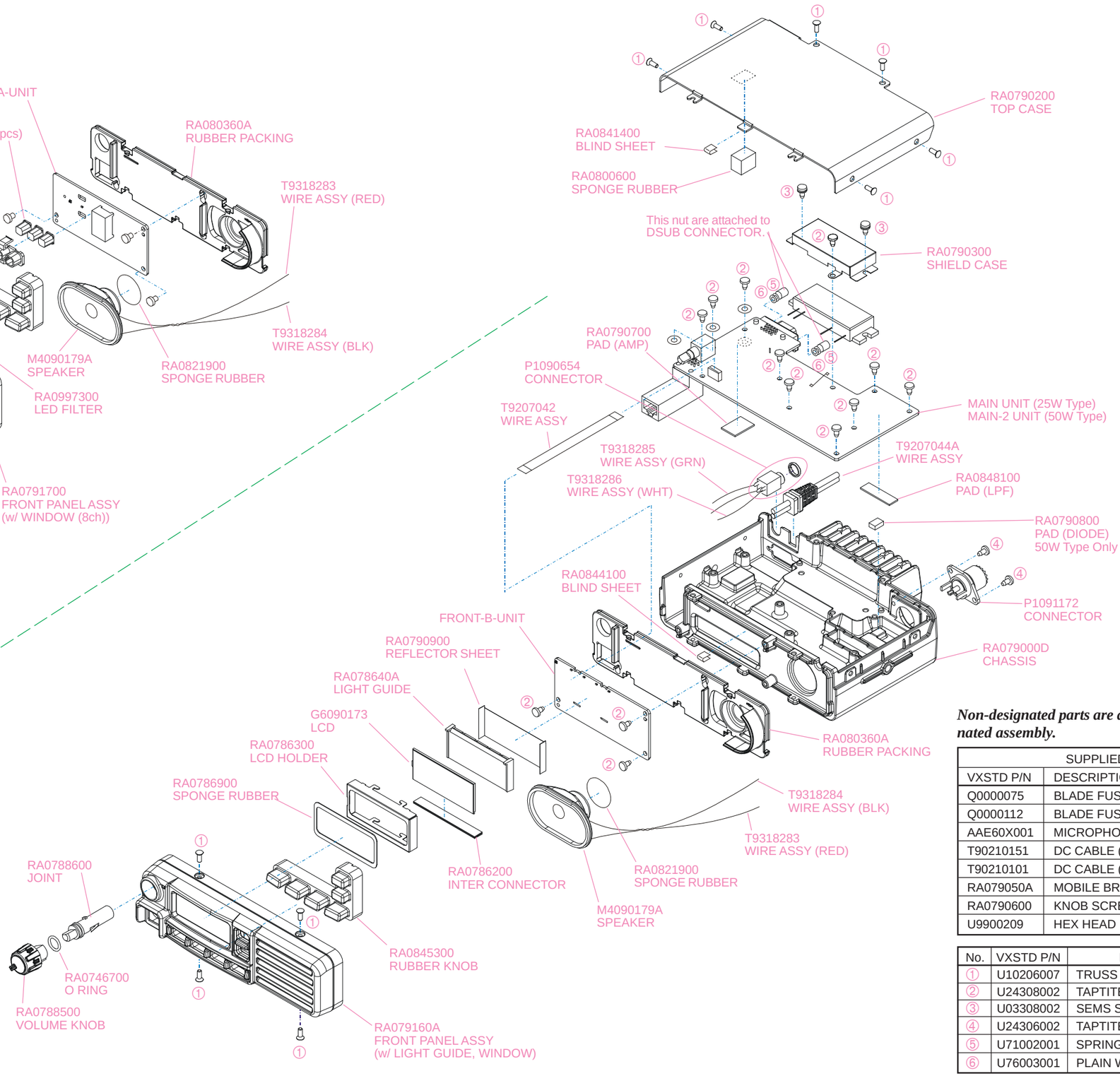
Pin 15: GND

Chassis ground

VX-2100 FRONT PANEL



VX-2200 FRONT PANEL



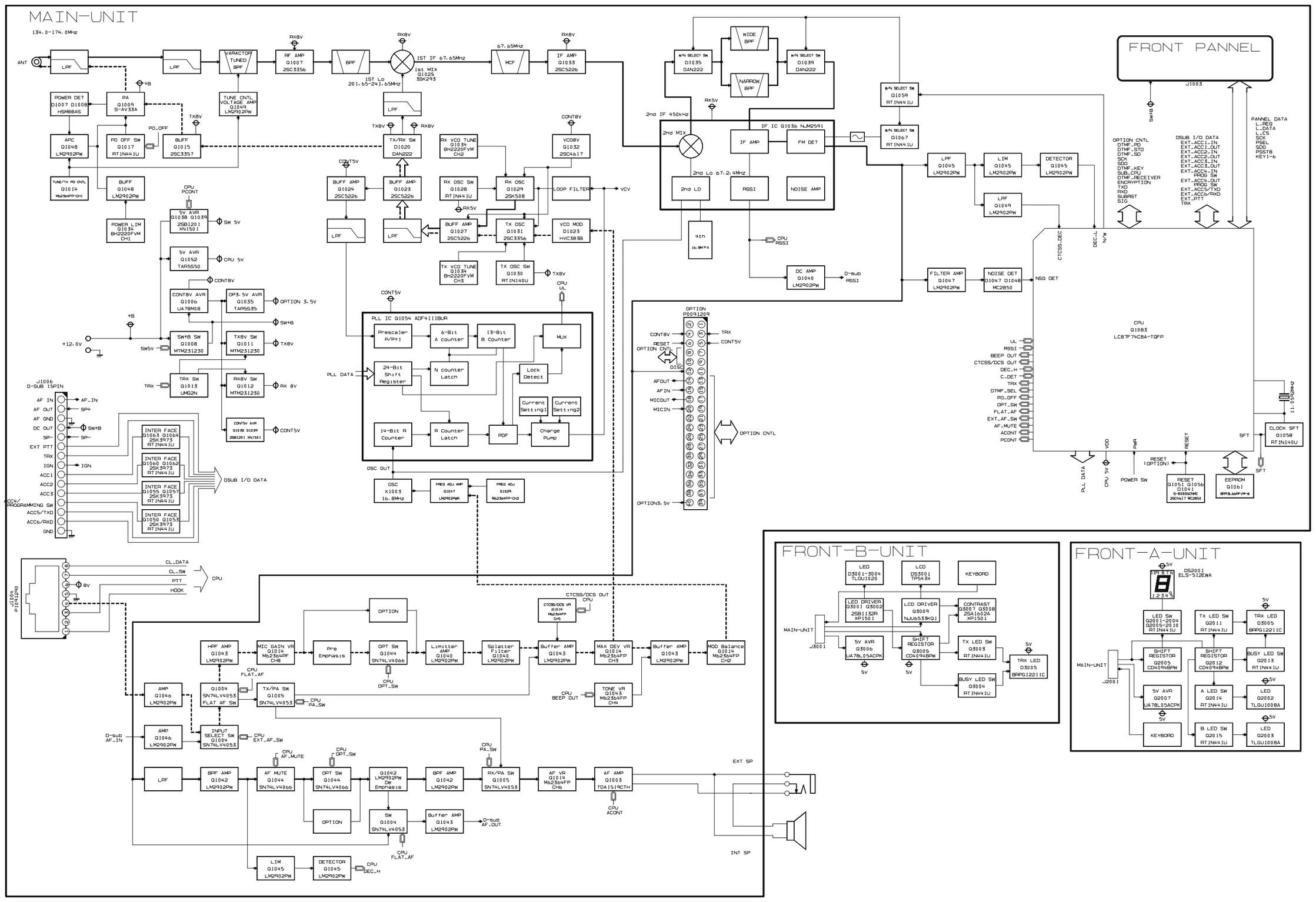
Non-designated parts are available only as part of a designated assembly.

SUPPLIED ACCESSORIES		
VXSTD P/N	DESCRIPTION	QTY.
Q0000075	BLADE FUSE ATC 15A (50 W TYPE)	2
Q0000112	BLADE FUSE ATC 10A (25 W TYPE)	2
AAE60X001	MICROPHONE MH-67A8J (W/ CLIP)	1
T90210151	DC CABLE (50 W TYPE)	1
T90210101	DC CABLE (25 W TYPE)	1
RA079050A	MOBILE BRACKET	1
RA0790600	KNOB SCREW (for BRACKET)	2
U9900209	HEX HEAD BOLT HSM5X12B	2

No.	VXSTD P/N	DESCRIPTION	QTY.
①	U10206007	TRUSS HEAD SCREW M2.6X6B	10
②	U24308002	TAPTITE SCREW M3X8NI	13
③	U03308002	SEMS SCREW ASM3X8NI	2
④	U24306002	TAPTITE SCREW M3X6NI	2
⑤	U71002001	SPRING LOCK WASHER SW2.6	2
⑥	U76003001	PLAIN WASHER AW3	2

Exploded View & Miscellaneous Parts

Note:


MAIN-UNIT
134.0-174.0MHz
ANT
LPF
VARACTOR TUNED BPF
RF AMP Q1007 2SC3356
BPF
1ST IF 67.65MHz
1st MIX Q1025 3SK293
1ST LO 201.65-241.65MHz
MCF
IF AMP Q1033 2SC5226
RX8V
TX8V
CONT8V
CONT5V
RX5V
PA Q1039 S-AV33A
POWER DET D1007 D1008 HSMB8AS
APC Q1048 LM2902PW
PO_OFF SW Q1017 RT1N441U
BUFF Q1015 2SC3357
PO_OFF
TUNE CNTL VOLTAGE AMP Q1049 LM2902PW
TUNE/TX PO CNTL Q1014 M62364FP-CH1
BUFF Q1048 LM2902PW
POWER LIM Q1034 BH2220FVM CH1
TX/RX SW D1020 DAN222
RX VCO TUNE Q1036 BH2220FVM CH2
VCO8V Q1032 2SC4617
BUFF AMP Q1024 2SC5226
BUFF AMP Q1023 2SC5226
RX OSC SW Q1028 RT1N441U
RX OSC Q1029 2SK508
LOOP FILTER
VCV
BUFF AMP Q1027 2SC5226
TX OSC Q1031 2SC3356
VCO MOD D1023 HVC388B
TX VCO TUNE Q1034 BH2220FVM CH3
TX OSC SW Q1030 RT1N140U
CPU PCONT
5V AVR Q1038 Q1039 2SB1201 XN1501
SW 5V
5V AVR Q1052 TAR5S50
CPU 5V
CONT8V AVR Q1006 UA78M08
OP3.5V AVR Q1035 TAR5S35
OPTION 3.5V
+12.0V
+B
SW+B SW Q1008 MTM231230
SW5V
SW+B
TX8V SW Q1011 MTM231230
TX8V
TRX SW Q1013 UMG2N
TRX
RX8V SW Q1012 MTM231230
RX 8V
CONT5V AVR Q1038 Q1039 2SB1201 XN1501
CONT5V
J1006 D-SUB 15PIN
AF IN
AF OUT
AF GND
DC OUT
SP-
EXT PTT
TRX
IGN
ACC1
ACC2
ACC3
ACC/PROGRAMMING SW
ACC5/TXD
ACC6/RXD
GND
AF_IN
SP+
SW+B
SP-
IGN
INTER FACE Q1063 Q1064 2SK3473 RT1N441U
INTER FACE Q1060 Q1062 2SK3473 RT1N441U
INTER FACE Q1055 Q1057 2SK3473 RT1N441U
INTER FACE Q1050 Q1053 2SK3473 RT1N441U
DSUB I/O DATA
PLL IC Q1054 ADF4111BUR
Prescaler P/P+1
6-Bit A counter
13-Bit B Counter
MUX
PLL DATA
24-Bit Shift Register
N counter Latch
Lock Detect
Current Setting1
Current Setting2
14-Bit R Counter
R Counter Latch
PDF
Charge Pump
OSC OUT
OSC X1003 16.8MHz
FREQ ADJ AMP Q1047 LM2902PWR
FREQ ADJ Q1029 M62364FP-CH2
J1004 P1012R20
CL_DATA
CL_SW
PTT
HOOK
CPU
8V
OPTION
CTCSS/DCS OUT
CTCSS/DCS VR Q1016 M62364FP CH5
HPF AMP Q1043 LM2902PW
MIC GAIN VR Q1014 M62364FP CH8
Pre Emphasis
OPT SW Q1044 SN74LV4066
Limitter AMP Q1040 LM2902PW
Splatter Filter Q1040 LM2902PW
Buffer AMP Q1043 LM2902PW
MAX DEV VR Q1014 M62364FP CH5
Buffer AMP Q1043 LM2902PW
MOD Balance Q1014 M62364FP CH2
CPU FLAT_AF
CPU OPT_SW
CPU PA_SW
CPU BEEP OUT
TONE VR Q1043 M62364FP CH4
AMP Q1046 LM2902PW
Q1004 SN74LV4053 FLAT AF SW
TX/PA SW Q1005 SN74LV4053
D-SUB AF_IN
INPUT SELECT SW Q1004 SN74LV4053
CPU EXT_AF_SW
CPU AF_MUTE
CPU OPT_SW
CPU PA_SW
LPF
BPF AMP Q1042 LM2902PW
AF MUTE Q1044 SN74LV4066
OPT SW Q1044 SN74LV4066
Q1042 LM2902PW De Emphasis
BPF AMP Q1042 LM2902PW
RX/PA SW Q1005 SN74LV4053
AF VR Q1014 M62364FP CH6
AF AMP Q1003 TDA1519CTH
CPU ACONT
EXT SP
INT SP
SW Q1004 SN74LV4053
Buffer AMP Q1043 LM2902PW
D-SUB AF_OUT
CPU FLAT_AF
LIM Q1045 LM2902PW
DETECTOR Q1045 LM2902PW
CPU DEC_H
WIDE BPF
NARROW BPF
W/N SELECT SW D1035 DAN222
W/N SELECT SW D1059 RT1N441U
W/N SELECT SW D1039 DAN222
W/N SELECT SW Q1067 RT1N441U
2nd IF 450kHz
2nd MIX
IF IC Q1036 NJM2591
IF AMP
FM DET
2nd LO 67.2.4MHz
2nd LO
RSSI
NOISE AMP
4th
CPU RSSI
DC AMP Q1040 LM2902PW
D-SUB RSSI
LPF Q1045 LM2902PW
LIM Q1045 LM2902PW
DETECTOR Q1045 LM2902PW
LPF Q1049 LM2902PW
FILTER AMP Q1047 LM2902PW
NOISE DET D1047 D1048 MC2850
NSQ DET
CTCSS_DEC
DEC_L
N/W
FRONT PANNEL
J1003
SW+B
OPTION CNTL
DTMF_PD
DTMF_STD
DTMF_SD
SCK
SDO
DTMF_KEY
SUB_CPU
DTMF_RECEIVER
ENCRYPTION
TXD
RXD
SUBRST
SIG
DSUB I/O DATA
EXT_ACC1_IN
EXT_ACC1_OUT
EXT_ACC2_IN
EXT_ACC2_OUT
EXT_ACC3_IN
EXT_ACC3_OUT
EXT_ACC4_IN
PROG SW
EXT_ACC4_OUT
PROG SW
EXT_ACC5/TXD
EXT_ACC6/RXD
EXT_PTT
TRX
PANNEL DATA
L_REQ
L_DATA
L_CS
SCK
PSEL
SDO
PSSTB
KEY1-6
CPU Q1083 LC87F74C8A-TQFP
UL
RSSI
BEEP OUT
CTCSS/DCS OUT
DEC_H
C_DET
TRX
DTMF_SEL
PO_OFF
OPT_SW
FLAT_AF
EXT_AF_SW
AF_MUTE
ACONT
PCONT
11.0592MHz
CLOCK SFT Q1058 RT1N140U
SFT
VDD
PWR
RESET
RESET (OPTION)
RESET Q1051 Q1056 D1041 S-8185CNMC 25CH617 MC2851
EEPROM Q1061 BR93L56FVM-W
PLL DATA
CPU 5V
POWER SW
OPTION P0091209
CONT8V
RESET
OPTION CNTL
DISC
AFOUT
AFIN
MICOUT
MICIN
TRX
CONT5V
OPTION CNTL
OPTION3.5V
FRONT-B-UNIT
LED D3001-3004 TLOU1020
LCD D3001 TP5434
KEYBORD
LED DRIVER Q3001 Q3002 2SB1132R XP1501
LCD DRIVER Q3009 NJU6533KQJ
CONTRAST Q3007 Q3008 2SA1602A XP1501
MAIN-UNIT
J3001
5V AVR Q3006 UA78L05ACPK
SHIFT REGISTOR Q3005 CD4094BPW
TX LED SW Q3003 RT1N441U
BUSY LED SW Q3004 RT1N441U
TRX LED D3005 BARG12211C
FRONT-A-UNIT
DS2001 ELS-512EWA
LED SW Q2001-2004 Q2005-2010 RT1N441U
TX LED SW Q2011 RT1N441U
TRX LED D3005 BARG12211C
SHIFT REGISTOR Q2005 CD4094BPW
SHIFT REGISTOR Q2012 CD4094BPW
BUSY LED SW Q2015 RT1N441U
MAIN-UNIT
J2001
5V AVR Q2007 UA78L05ACPK
A LED SW Q2014 RT1N441U
LED Q2002 TLGU1008A
KEYBORD
B LED SW Q2015 RT1N441U
LED Q2003 TLGU1008A

Block Diagram

Note:

1. Circuit Configuration by Frequency

The receiver is a double-conversion superheterodyne with a first intermediate frequency (IF) of 67.65 MHz and a second IF of 450kHz. The incoming signal from the antenna is mixed with the local signal from the VCO/PLL to produce the first IF of 50.85MHz. This is then mixed with the 67.2 MHz second local oscillator output to produce the 450 kHz second IF. This is detected to give the demodulated signal.The transmit signal frequencyis generated by the PLL VCO and modulated by the signal from the microphone. It is then amplified and sent to the antenna.

2. Receiver System

2-1. Front-end RF amplifier

The incoming RF signal from the antenna is delivered to the RF Unit and passes through the Low-pass filter which removes undesired frequencies by use of varactor diodes, tuned band-pass filter consisting of diodes **D1003**, **D1004**, **D1005**, & **D1006** (all **1SV323**), coils L1006 & L1009, and capacitors C1013, C1016, C1033, C1039, C1041, & C1044. The passed signal is amplified in **Q1007** (**2SC3356**) and moreover cuts an image frequency with the band pass filter consisting of coils L1011, L1013, L1014, & L1015, capacitors C1003, C1011, C1012, C1016, C1022, C1023, C1027, C1028, C1334, & C1141 and comes into the 1st mixer.

2-2. First Mixer

The 1st mixer consists of the **Q1025** (**3SK293**). Buffered outputfrom the VCO is amplified by **Q1023** (**2SC5226**) to provide a purefirst local signal between 201.65 and 241.65 MHz for injection to the first mixer. The output IF signal is entersfrom the mixer to the crystal filter. The IF signal then passesthrough monolithic crystal filters XF1001 (±5.5 kHz BW) to strip away all but the desired signal.

2-3. IF Amplifier

The first IF signal is amplified by **Q1033** (**2SC5226**). The amplifiedfirst IF signal is applied to FM IF subsystem IC **Q1036** (**NJM2591**) which contains the second mixer second local oscillator limiter amplifier noise amplifier and S-meter amplifier. The signal from the refernce oscillator is tripled by **Q1033** (**2SC5226**), it is mixed with the IF signal and becomes 450 kHz. The second IF then passes through the ceramic filter CF1001 (for wide channels) CF1002 (for narrow channels) to strip away unwanted mixer products which removes amplitude variations in the 450 kHz IF before detection of the speech by the ceramicdiscriminator CD1001.

2-4. Audio amplifier

Detected signal from **Q1036** (**NJM2591V**) is inputted to **Q1042** (**LM2902PW**) and is output through the band pass filter inside **Q1042** (**LM2902PW**). When the optional unit is installed **Q1044** (**SN74LV4066APW**) is turned "OFF" and the AF signal from **Q1042** (**LM2902PW**) goes the optional unit. When the optional unit is not installed, **Q1042** (**LM2902PW**) is turned "ON" and the signal goes through **Q1004** (**SN74LV4053APM**). The signal then goes through AF mute switch **Q1044** (**SN74LV4066APW**) de-emphasis part **Q1042** (**LM2902PW**). amplified with AF power amplifier **Q1003** (**TDA1519CTH**) after passing AF volume **Q1014** (**M62364FP**). The output of **Q1003** (**TDA1519CTH**) drives a speaker (either the internal or external speaker).

2-5. Squelch Circuit

There are 13 levels of squelch setting from 0 to 12. The level 0 means open the squelch. The level 1 means the threshold setting level and level 11 means tight squelch. From 2 to 10 is established in the middle of threshold and tight. The bigger figure is nearer the tight setting. The level 12 becomes setting of carrier squelch.

2-5-1. Noise Squelch

The noise squelch circuit is composed of the band pass filter of **Q1036** (**NJM2591V**) noise amplifier **Q1047** (**LM2902PW**) and noise detector **D1047** and **D1048** (both **MC2850**). When a carrier isn't received, the noise ingredient which goes out of the demodulator **Q1036** (**NJM2591V**) is amplified in **Q1047** (**LM2902PW**) through the band pass filter **Q1036** (**NJM2951V**) is detected to DC voltage with **D1047**, **D1048** (both **MC2850**) and is inputted to 15 pin (the A/D port) of the **Q1065** (CPU: **LC87F5CC8A**). When a carrier is received the DC voltage becomes "LOW" because the noise is compressed. When the detected voltage to CPU is "HIGH," the CPU stops AF output with **Q1044** (**SN74LV4053**) "OFF" by making pin 80 low. When the detection voltage is low the CPU makes **Q1068** "ON" making pin 80 "H" enabling AF output.

2-5-2. Carrier Squelch

The Pin 14 (A/D port) of **Q1065** (CPU: **LC87F5CC8A**) detects RSSI voltage output from pin 12 of **Q1036** (**NJM2591V**), and controls AF output. The RSSI output voltage changes according to the signal strength of carrier. The stronger signal makes the RSSI voltage higher. The process of the AF signal control is the same as Noise Squelch. The shipping data is adjusted 3dB higher than squelch tight sensitivity.

3. Transmitter System

3-1. Mic Amplifier

There are two micrphone inputs, J1004 (front) and J1006 (D-Sub). Each microphone inputs has it's own amplifier. Which micrphone is selected is controlled by the CPU and in addition, the amplified AF signal is selected with Flat-AF selection switch **Q1043** (**LM2902PW**). Mic Gain is adjusted with Mic gain VR **Q1014** (**M62364PF**) through HPF-AMP **Q1043** (**LM2902PW**), and Pre Enphasis and Mic Mute **Q1044** (**SN74LV4066**) are passed at FLAT-AF OFF. And, the option use is selected with OPT selection switch **Q1044** (**SN74LV4066**) by the control from CPU. The selected signal enters maximum deviation adjustment volume **Q1014** (**M62364FP**) after it goes out of Buffer Amp **Q1043** (**LM2902PW**) through limiter and splatter filter of **Q1040** (**LM2902PW**). The adjusted low frequency signal ingredient is amplified by **Q1047** (**LM2902PW**) added modulation terminal of TCXO (**X1002**) the FM modulation is made by reference oscillator. The high frequency signal ingredient is amplified **Q1043** (**LM2902PW**), and the level is adjusted by volume control **Q1014** (**M62364FP**) to make frequency balance between low frequency. After that, the signal is delievered to the tranmsit carrier by modulator **D1023** (**HVC383B**).

3-2. Drive and Final amplifier

The modulated signal from the VCO **Q1031** (**2SC3356**) is buffered by **Q1027** (**2SC5226**) and amplified by **Q1015** (**2SC3357**). The low-level transmit signal is then applied to the Power Module **Q1009** (**S-AV32**) for final amplification up to 50 watts output power or **Q1009** (**S-AV33A**) for final amplification up to 25 watts output power. The transmit signal then passes through a low-pass filter to suppress harmonic spurious radiation before delivery to the antenna.

3-3. Automatic Transmit Power Control

The output power of Power Module is detected by CM coupler, and is detected by **D1008** and **D1038** (both **HSM88AS**) and is inputted to comparator **Q1048** (**LM2902PW**). The comparetor compares two different voltages and makes output power stable by controlling the bias voltage of the power module. There are 3 levels of output power (High, Low-Hi, and Low-Middle for 50 W model) or 4 levels of output power (High, Low-Hi, Low-Middle, and E-Low for 25 W model) which is switched by the voltage of **Q1014-CH1** (**M62364FP**).

3-4. PLL Frequency Synthesizer

The frequency synthesizer consists of PLL IC **Q1054** (**ADF411BRU**) VCO, TCXO (X1002) and buffer amplifier. The output frequency from TCXO is 16.8 MHz and the tolerance is ±2.5 ppm (in the temperature range –30 to +60 degrees).

3-4-1. VCO

While the radio is receiving, the RX oscillator **Q1029** (**2SK508**) in the VCO generates a programmed frequency between 201.65 and 241.65 MHz as 1st local signal. While the radio is transmitting the TX oscillator **Q1031** (**2SC3356**) in the VCO generates a frequency between 134 and 174 MHz. The output from oscillator is amplified by buffer amplifier **Q1027** (**2SC5226**) and becomes the output of the VCO. The output from VCO is divided one is amplified by **Q1024** (**2SC5226**) and feed back to pin 6 of the PLL IC **Q1054** (**TRF3750IP**). The other is amplified in **Q1023** (**2SC5226**) and in case of the reception it is put into the mixer as the 1st local signal through **D1020** (**DAN222**) in transmission it is amplified in **Q1027** (**2SC5226**) and more amplified in **Q1023** (**2SC5226**) through **D1022** (**DA222**) and it is put the input terminal of the Power Module **Q1009** (**S-AV32** for 50 W model or **S-AV33A** for 25 W model).

3-4-2. VCV CNTL

Tuning voltage (VCV) of the VCO expands the lock range of VCO by controlling the of varactor diode voltage and the control voltage from PLL IC **Q1054** (**ADF4111BRU**). Control voltage is added to the varactor diode after converted to D/A converter **Q1029** (**M62364FP**).

3-4-3. PLL

The PLL IC **Q1054** (**ADF4111BRU**) consists of reference divider, main divider, phase detector, charge pumps and Pulse Swallow Frequency Synthesis. The reference frequency from TCXO is inputted to pin 8 of PLL IC **Q1054** (**ADF4111BRU**) and is divided by reference divider. This IC is decimal point dividing PLL IC **Q1054** (**ADF4111BRU**) and the dividing ratio becomes 1/8 of usual PLL frequency step. Therefore, the output of reference divider is 8 times of frequencies of the channel step. For example when the channel stepping is 5 kHz, the output of reference divider becomes 40 kHz. On the other hand, inputted feed back signal to pin 6 of PLL IC **Q1054** (**ADF4111BRU**) from VCO is divided with the dividing ratio which becomes same frequency as the output of reference divider. These two signals are compared by phase detector, a phase pulse is generated. The phase difference pulse and the pulse from fractional accumulator pass through the charge pumps and LPF. This becomes the DC voltage (VCV) to control the VCO. The oscillation frequency of VCO is locked by the control of this DC voltage. The PLL serial data from CPU **Q1065** (CPU: **LC87F5CC8A**) is sent with three lines of SDO (pin 12), SCK (pin 11) and PSTB (pin 13). The lock condition of PLL is output from the UL (pin 14) terminal and UL becomes "H" at the time of the lock condition and becomes "L" at the time of the unlocked condition. The CPU **Q1065** (CPU: **LC87F5CC8A**) always watches over the UL condition, and when it becomes "L" unlocked condition, the CPU **Q1065** (CPU: **LC87F5CC8A**) prohibits transmitting and receiving.

Introduction

The **VX-2100/-2200** series has been aligned at the factory for the specified performance across the entire frequency range specified. Realignment should therefore not be necessary except in the event of a component failure. All component replacement and service should be performed only by an authorized Vertex Standard representative, or the warranty policy may be voided.

The following procedures cover the sometimes critical and tedious adjustments that are not normally required once the transceiver has left the factory. However, if damage occurs and some parts are replaced, realignment may be required. If a sudden problem occurs during normal operation, it is likely due to component failure; realignment should not be done until after the faulty component has been replaced.

We recommend that servicing be performed only by authorized Vertex Standard service technicians who are experienced with the circuitry and fully equipped for repair and alignment. Therefore, if a fault is suspected, contact the dealer from whom the transceiver was purchased for instructions regarding repair. Authorized Vertex Standard service technicians realign all circuits and make complete performance checks to ensure compliance with factory specifications after replacing any faulty components. Those who do undertake any of the following alignments are cautioned to proceed at their own risk. Problems caused by unauthorized attempts at realignment are not covered by the warranty policy. Also, Vertex Standard must reserve the right to change circuits and alignment procedures in the interest of improved performance, without notifying owners. Under no circumstances should any alignment be attempted unless the normal function and operation of the transceiver are clearly understood, the cause of the malfunction has been clearly pinpointed and any faulty components replaced, and the need for realignment determined to be absolutely necessary. The following test equipment (and thorough familiarity with its correct use) is necessary for complete realignment. Correction of problems caused by misalignment resulting from use of improper test equipment is not covered under the warranty policy. While most steps do not require all of the equipment listed, the interactions of some adjustments may require that more complex adjustments be performed afterwards. Do not attempt to perform only a single step unless it is clearly isolated electrically from all other steps. Have all test equipment ready before beginning, and follow all of the steps in a section in the order presented.

Required Test Equipment

- ❒ Radio Tester with calibrated output level at 200 MHz
- ❒ In-line Wattmeter with 5% accuracy at 200 MHz
- ❒ 50-ohm, 50-W RF Dummy Load
- ❒ Regulated DC Power Supply (standard 13.6V DC, 15A)
- ❒ Frequency Counter: ±0.2 ppm accuracy at 200 MHz
- ❒ AF Signal Generator
- ❒ AC Voltmeter
- ❒ DC Voltmeter
- ❒ VHF Sampling Coupler
- ❒ Microsoft® Windows® 95 or later operating system
- ❒ Vertex Standard VPL-1 Connection Cable and CE82 Alignment program

Alignment Preparation & Precautions

A 50-ohm RF Dummy load and in-line wattmeter must be connected to the main antenna jack in all procedures that call for transmission, except where specified otherwise. Correct alignment is not possible with an antenna.

Beacuse of the BTL (**B**ridged **T**rans**L**ess) Amplifier circuit used in the **VX-2200/-2100**, do not connect eather side of the speaker leads to chassis "ground."

After completing one step, read the following step to determine whether the same test equipment will be required. If not, remove the test equipment (except dummy load and wattmeter, if connected) before proceeding.

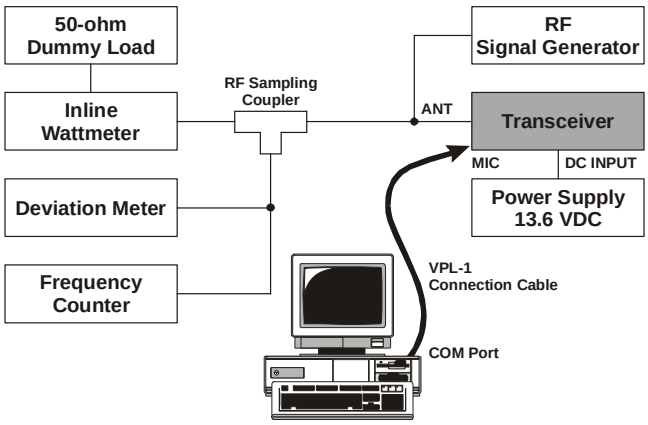
Correct alignment requires that the ambient temperature be the same as that of the transceiver and test equipment, and that this temperature be held constant between 20 °C and 30 °C (68 °F ~ 86 °F). When the transceiver is brought into the shop from hot or cold air, it should be allowed time to come to room temperature before alignment.

Whenever possible, alignments should be made with oscillator shields and circuit boards firmly affixed in place. Also, the test equipment must be thoroughly warmed up before beginning.

Note: Signal levels in dB referred to in this procedure are based on 0 dBμ EMF = 1.0 μV.

Test Setup

Setup the test equipment as shown for transceiver alignment, apply 13.6V DC power to the transceiver. Refer to the drawings above for Alignment Points.



The Alignment Tool Outline

Installation the tool

Install the CE82 (Clone Editor) to your PC.
The re-alignment for VX-2200/-2100 series may use the "Alignment" menu of CE82.

Action of the switches

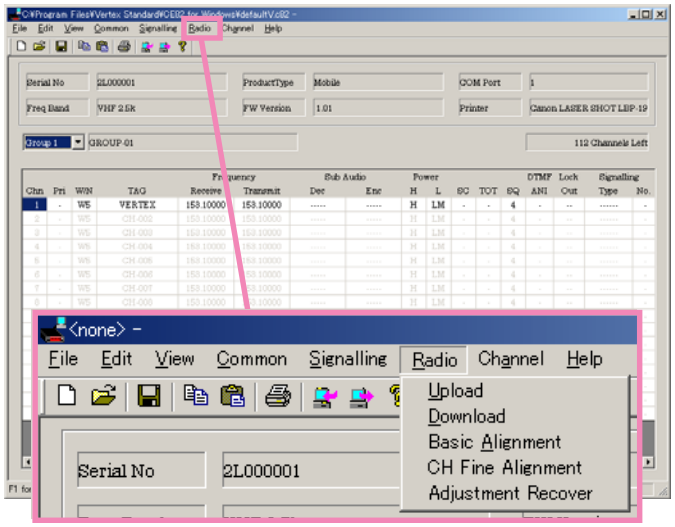
When the transceiver is in alignment mode, the action of PTT and KEY is ignored. All of the action is remote controlled by PC.

Basic Alignment Mode

The Basic Alignment mode allows you to align the entire radio. The value of each parameter can be changed to the desired position by use of the "←" / "→" and up/down arrow keys, along with direct number input and dragging of the PC mouse.

To enter the Basic Alignment Mode, select "Basic Alignment" in the main "Radio" menu. It will start to "Upload" the written personalized data from the radio. Pressing the "OK" button will then start the Basic Alignment Mode.

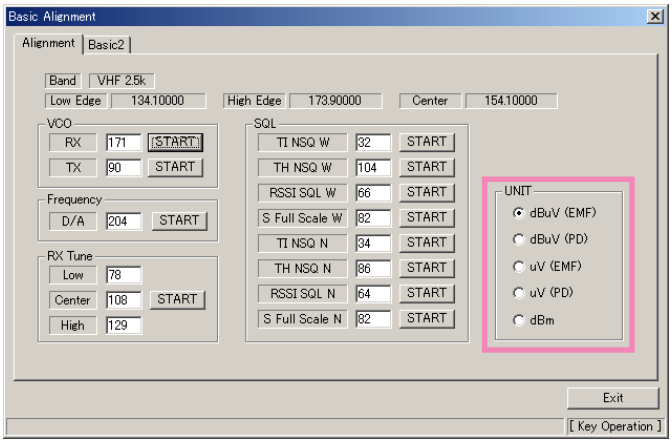
Note: when all items are to be aligned, it is strongly recommended to align them according to following sequence. When the item is selected with TAB key, and the F1 key is pushed, the "Help" file is displayed.
Detailed information for each step may be found in the "Help" file within CE82 (Clone Editor).



1. RX VCO Tune Voltage (RX VCO)
2. TX VCO Tune Voltage (TX VCO)
3. PLL Reference Frequency (Frequency)
4. RX Sensitivity (RX Tune)
5. Squelch (SQL)
6. TX Power
7. Maximum Deviation <Wide> / <Narrow>
8. Sub Audio Deviation <CTCSS> / <DCS>
9. Sequential Tone Deviation

Unit

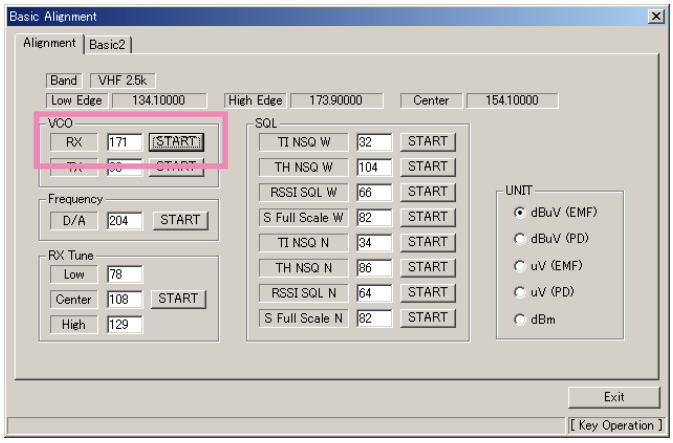
During alignment, the values of dBμV or μV (EMF or PD) can be selected or dBm.



1. RX VCO Tune Voltage (RX VCO)

This parameter is to align the "Tune Voltage" of RX VCO. This alignment will be done automatically between the radio and PC.

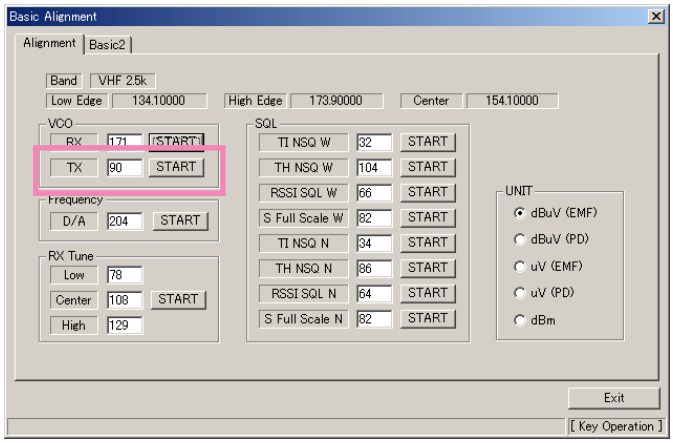
1. Press the "Start" button on the "Basic Alignment" window to open the RX VCO Adjustment window.
2. Press the "Start" button to start the alignment then the "OK" and "Cancel" buttons are inhibited during the alignment.
3. The aligned value will appear and the "OK", "Cancel" buttons come alive when auto-alignment is finished.
4. Press the "OK" button on the window, the value of the alignment for RX VCO will be saved in the radio.



2. TX VCO Tune Voltage (TX VCO)

This parameter is to align the "Tune Voltage" of TX VCO. This alignment will be done automatically between the radio and PC.

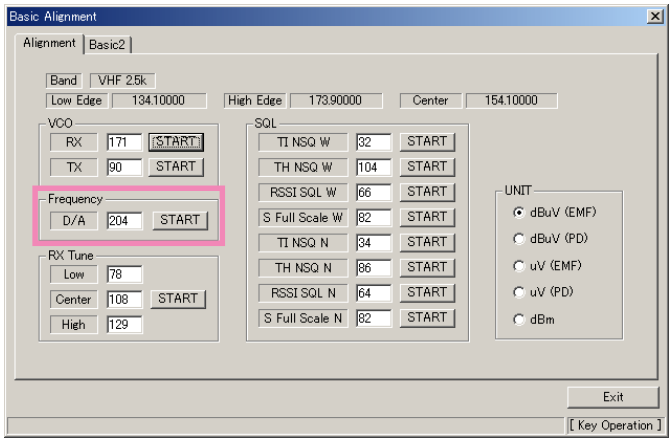
1. Press the "Start" button on the "Basic Alignment" window to open the TX VCO Adjustment window.
2. Press the "Start" button to start the alignment then the "OK" and "Cancel" buttons are inhibited during the alignment.
3. The aligned value will appear and the "OK", "Cancel" buttons come alive when auto-alignment is finished.
4. Press the "OK" button on the window, the value of the alignment for TX VCO will be saved in the radio.



3. PLL Reference Frequency (Frequency)

This parameter is to align the reference frequency for PLL. The "TX VCO Tune Voltage" alignment must be done before this alignment is going to start.

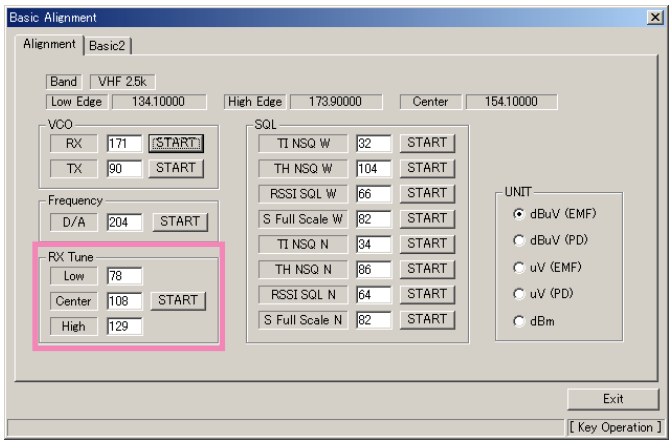
1. Press the "Start" button to start the alignment then the radio will transmit on the center frequency. It will appear the Frequency Alignment window.
2. Set the value to get desired frequency by left/right arrow key, drag the slide bar by mouse or direct number input.
3. Press the "OK" button on the alignment window to save the re-aligned value, the alignment of the PLL Reference Frequency is accomplished.



4. RX Sensitivity (RX Tune)

This parameter is to align the RX BPF (Band Pass Filter) for Rx sensitivity. It must be done both alignments of the "RX VCO Tune Voltage" and "PLL Reference Frequency" before this alignment is going to start.

1. Press the "Start" button to start the alignment.
2. Set the Signal Generator according to the indication, then press "OK".
3. Repeat the procedure no.2 until the 3point alignment is finished.
4. It will show the result of 3 points alignment and press "OK" then the confirmation window will open.
5. Press "OK" to finish the RX Sensitivity alignment and save the data.



5. Squelch (SQL)

This parameter is to align the SQL (Squelch) Sensitivity. The "RX VCO Tune Voltage", "PLL Reference Frequency" and "RX Sensitivity (RX Tune)" must be done before this alignment is started.

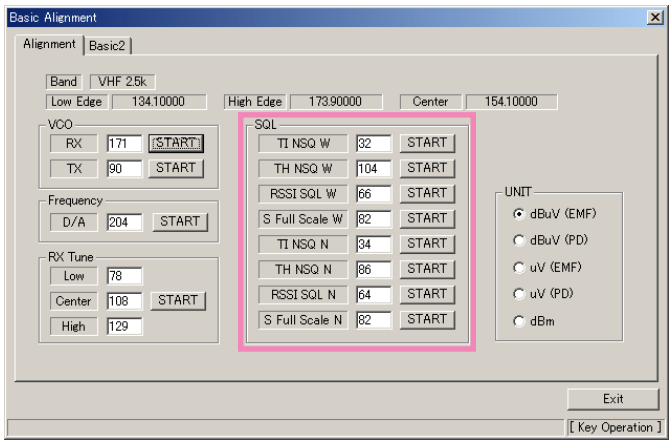
There are several alignments as follows in the Squelch Sensitivity.

Noise SQL Tight <Wide> (TH NSQ W)
The Alignment for the Noise SQL Tight level at Wide (5k/4k).

Noise SQL Threshold <Wide> (TH NSQ W)
The Alignment for the Noise SQL Threshold level at Wide (5k/4k).

RSSI SQL Level 11 <Wide> (RSSI SQL W)

The Alignment for the "level 11" of the RSSI SQL level at Wide (5k/4k).



RSSI SQL Full Scale <Wide> (S Full Scale W)
The Alignment for the RSSI Full Scale level at Wide (5k/4k).

Noise SQL Tight <Narrow> (TI NSQ N)
The Alignment for the Noise SQL Tight level at Narrow (2.5k).

Noise SQL Threshold < Narrow > (TH NSQ N)
The Alignment for the Noise SQL Threshold level at Narrow (2.5k).

RSSI SQL Level 11 < Narrow > (RSSI SQL N)
The Alignment for the "level 11" of the RSSI SQL level at Narrow (2.5k).

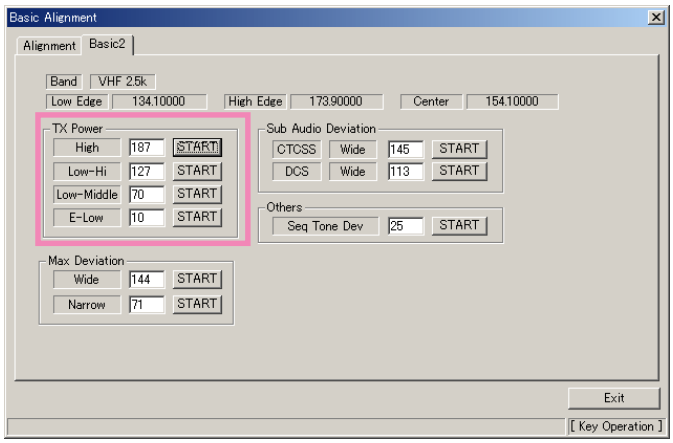
RSSI SQL Full Scale < Narrow > (S Full Scale N)
The Alignment for the RSSI Full Scale levle at Narrow (2.5k).
The procedure for all the alignment is as follows.

1. Press the "Start" button to start the alignment.
2. Set the signal generator according to the level indicated, then press "OK".
3. Press the "OK" button after finish the alignment, then the data will be saved and the alignment is accomplished.

6. TX Power

Open the "Basic2" window, this parameter is to align the Transmit Output (Hi/Low) Power.
The factory default is as followings.

	50 W nodel	**25 W model**
High	50 W	25 W
Low-High	25 W	12.5 W
Low-Middle	10 W	5 W
E-Low	—	1 W



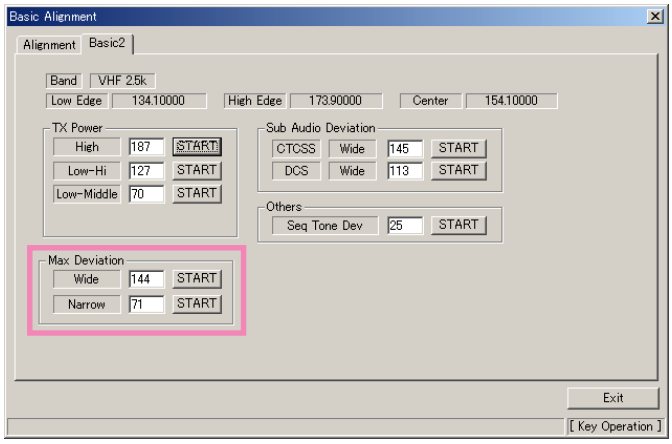
The procedure for the alignments of the TX Power is followings.

1. Press the "Start" button to start the alignment then the radio will transmit on the center frequency. The TX Power Alignment window will open on the PC.
2. Set the value to get desired output power by left/right arrow key, drag the slide bar by mouse or direct number input.
3. Press the "OK" button on the alignment window to save the re-aligned value, the alignment of the TX POWER is accomplished.

7. Maximum Deviation <Wide> / <Narrow>

This parameter is to align the Maximum Deviation (Wide/Narrow). The "TX VCO Tune Voltage" must be done before this alignment is started.

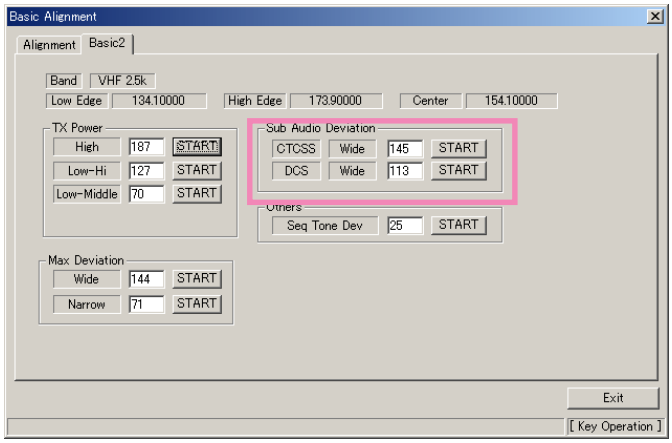
1. Press the "Start" button to start the alignment.
2. Set the value to get desired deviation (Wide: 4.2kHz, Narrow: 2.1kHz) on the deviation meter by changing the slide bar on your PC.
3. Press the "OK" button after getting the desired Deviation to save the re-aligned value, the alignment of the MAX DEVIATION is accomplished.



8. Sub Audio Deviation <CTCSS> / <DCS>

This parameter is to align the Deviation of Sub-Audio (CTCSS/DCS). The "TX VCO Tune Voltage" and "Max Deviation" must be done before this alignment is started.

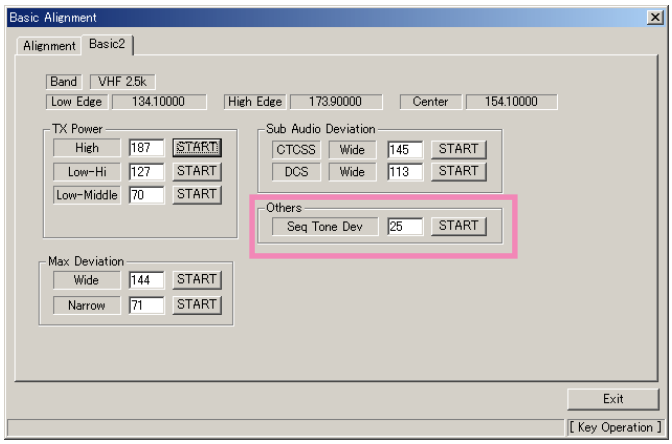
1. Press the "Start" button to start the alignment.
2. Set the value to get desired deviation (Wide: 0.6kHz) on the deviation meter by changing the slide bar on your PC.
3. Press the "OK" button after getting the desired value to save the re-aligned value, the alignment of the MAX DEVIATION is accomplished.



9. Sequential Tone Deviation

This parameter is to align the "Sequential Tone Deviation" (for 2-Tone, 5-Tone and DTMF sequential tones).

1. Press the "Start" button to start the alignment.
2. Set the value to get desired deviation by changing the slide bar on your PC.
3. Press the "OK" button after getting the desired value to save the re-aligned value, the alignment of the SEQUENTIAL TONE DEVIATION is accomplished.

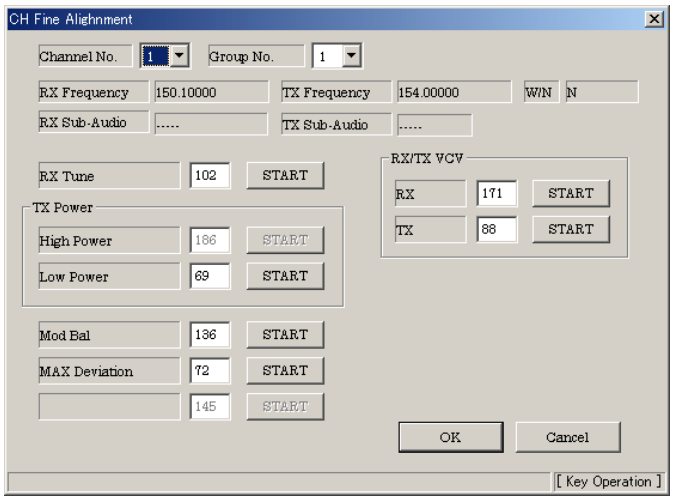


CH (Channel-by-Channel) Fine Alignment Mode

The CH Fine Alignment Mode allows you to align the radio separately for every operating channel. The value of each parameter can be changed to the desired position using the "←" / "→" and up/down arrow keys, direct number input, and by dragging the PC mouse.

To enter the CH Fine Alignment Mode, select "CH Fine Alignment" in the main "Radio" menu. It will start to "Upload" the written personalized data from the radio. Pressing the "OK" button will then start the CH Fine Alignment Mode.

Note: Detailed information for each step may be found in the "Help" file within CE82 (Clone Editor).



Installation of Option

FVP-25/FVP-35/FVP-36

The **FVP-25** is an Encryption/DTMF Pageing Unit which permits secure voice communications with station within your network, while preventing others from listening using normal communications equipment. It allows paging, and enables selective calling using DTMF tone sequences.

The **FVP-35** is an Rolling Code Encryption Unit which permits secure voice communications with station within your network, while preventing others from listening using normal communications equipment.

The **FVP-36** is an Voice Inversion Type Encryption Unit which permits secure voice communications with station within your network, while preventing others from listening using normal communications equipment.

Each optional Unit is easily programmed the configulations using a Vertex CE82 programmer with an IBM PC-compatible computer.

1. Disconnect the DC power cable.
2. Referring to Figure 1, remove the 8 screws affixing the Top Cover, then remove the top cover.
3. Referring to Figure 2 & Figure 3, locate the empty connector for the Optional Unit, connect the Optional Unit here.
4. Replace the Top Cover and 8 screws . Installation is now complete.

Do not install all Optional Unit at onece

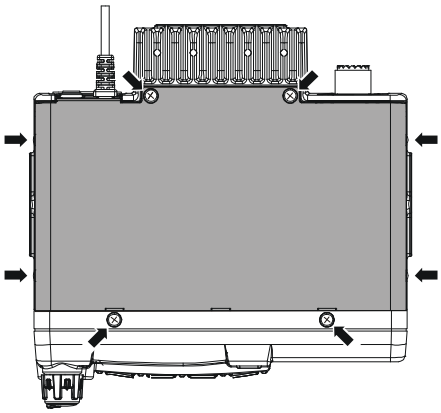


Figure 1

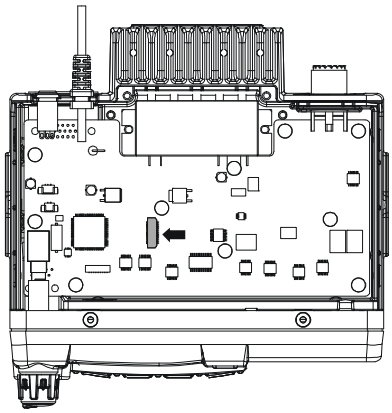


Figure 2

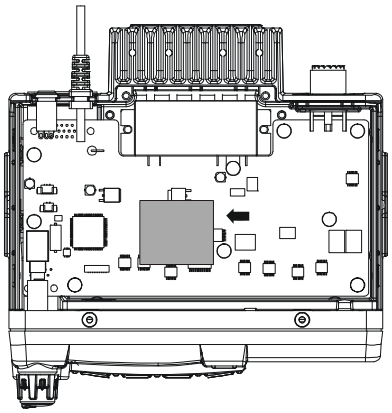
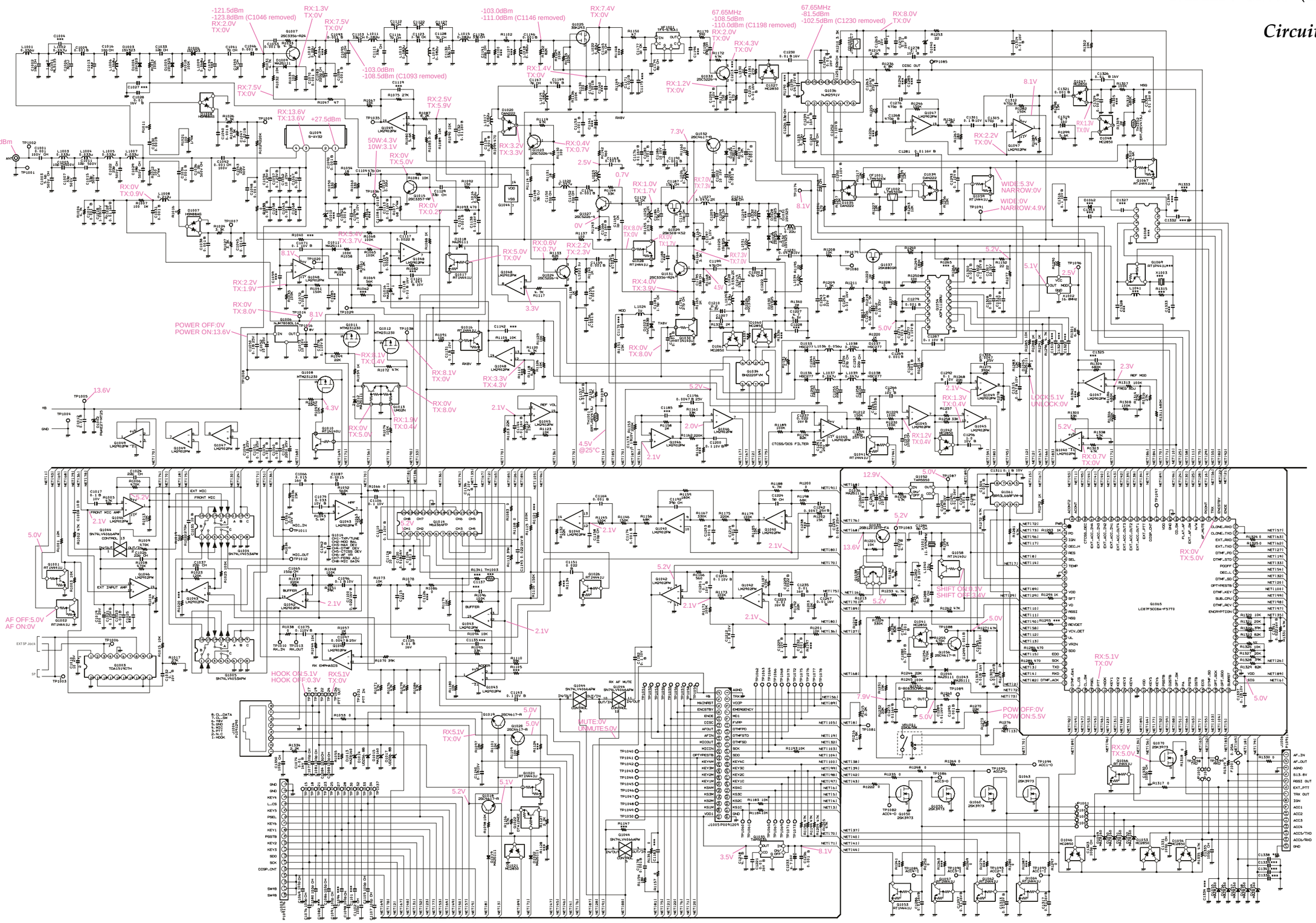
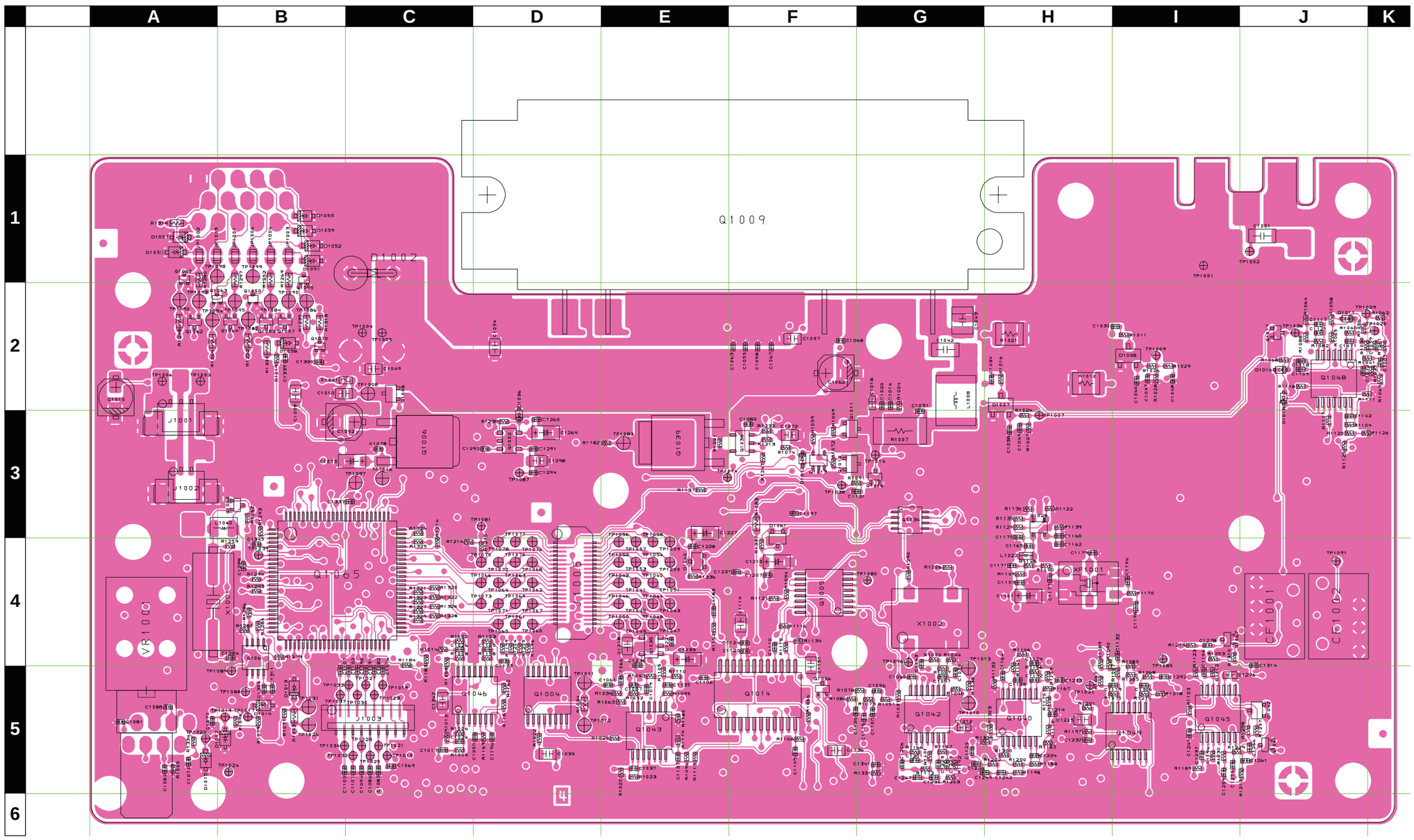


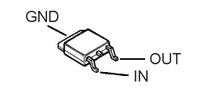
Figure 3


-120.5dBm
-121.5dBm
-123.8dBm (C1046 removed)
RX:2.0V
TX:0V
RX:1.3V
TX:0V
RX:7.5V
TX:0V
-103.0dBm (C1093 removed)
-103.0dBm
-111.0dBm (C1146 removed)
RX:7.4V
TX:0V
RX:1.4V
TX:0V
67.65MHz
-108.5dBm
-110.0dBm (C1198 removed)
RX:2.0V
TX:0V
67.65MHz
-81.5dBm
-102.5dBm (C1230 removed)
RX:8.0V
TX:0V
RX:4.3V
TX:0V
RX:1.2V
TX:0V
RX:7.5V
TX:0V
RX:13.6V
TX:13.6V
+27.5dBm
50W:4.3V
10W:3.1V
RX:0V
TX:5.0V
RX:2.5V
TX:5.9V
RX:3.2V
TX:3.3V
RX:0.4V
TX:0.7V
2.5V
0.7V
7.3V
RX:1.0V
TX:1.7V
RX:7.0V
TX:7.3V
0V
RX:8.0V
TX:0V
RX:0V
TX:7.3V
RX:0V
TX:0.9V
RX:0V
TX:0.2V
RX:3.4V
TX:3.7V
RX:0.6V
TX:0.7V
RX:2.2V
TX:2.3V
RX:5.0V
TX:0V
RX:4.0V
TX:3.9V
4.5V
3.3V
8.1V
RX:2.2V
TX:1.9V
RX:0V
TX:8.0V
POWER OFF:0V
POWER ON:13.6V
RX:8.1V
TX:0.4V
RX:8.1V
TX:0V
RX:3.3V
TX:4.3V
RX:0V
TX:8.0V
2.1V
4.5V
@25°C
5.2V
RX:1.3V
TX:0.4V
RX:1.2V
TX:0.4V
8.1V
WIDE:5.3V
NARROW:0V
WIDE:0V
NARROW:4.9V
5.1V
2.5V
LOCK:5.1V
UNLOCK:0V
2.3V
RX:0.7V
TX:0V
13.6V
4.3V
RX:1.9V
TX:0.4V
RX:0V
TX:5.0V
2.0V
5.0V
12.9V
7.9V
RX:5.1V
TX:0V
HOOK ON:5.1V
HOOK OFF:0.3V
AF OFF:5.0V
AF ON:0V
MUTE:0V
UNMUTE:5.0V
POW OFF:0V
POW ON:5.5V
SHIFT ON:3.3V
SHIFT OFF:3.4V
RX:0V
TX:5.0V
RX:5.1V
TX:0V
13.6V
8.1V
3.5V
5.1V
2.1V
5.2V
2.1V
2.1V
2.1

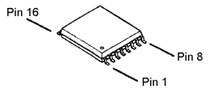
MAIN Unit (Lot. 1~4)

Note



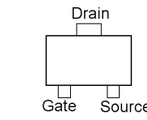


UA78M08CKTPR (Lot.1-4)
(Q1006)



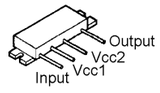
SN74LV4053APWR
(Q1004, 1005)

LM2902PWR
(Q1040, 1042, 1043,
1045, 1046, 1048,1049)

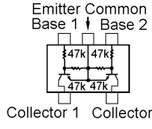


MTM231230L (BL)
(Q 1008, 1011, 1012)

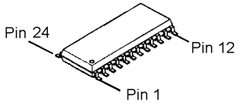
2SK397300L
(Q1050, 1055, 1060,
1063, 1070)



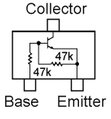
S-AV32
(Q1009)



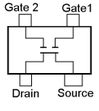
UMG2N
(Q1013)



M62364FP
(Q1014)



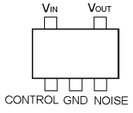
RT1N441U (N3)
(Q 1016, 1017, 1026,
1041, 1053, 1057,
1062, 1064, 1067)



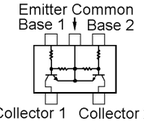
3SK293 (UF)
(Q1025)

BH2220FVM
(Q1034)

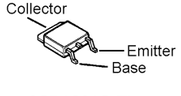
BR93L66RFVM
(Q1061)



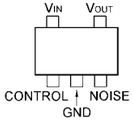
TAR5S35(3V5)
(Q1035)



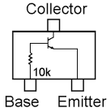
XN1501 (R5)
(Q1038)



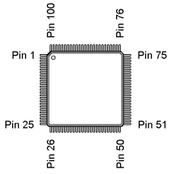
2SB1201S-TL
(Q1039)



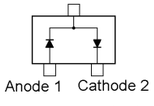
TAR5S50
(Q1052)



RT1N140U
(Q1058)



LC87F5CC8A
(Q1065)

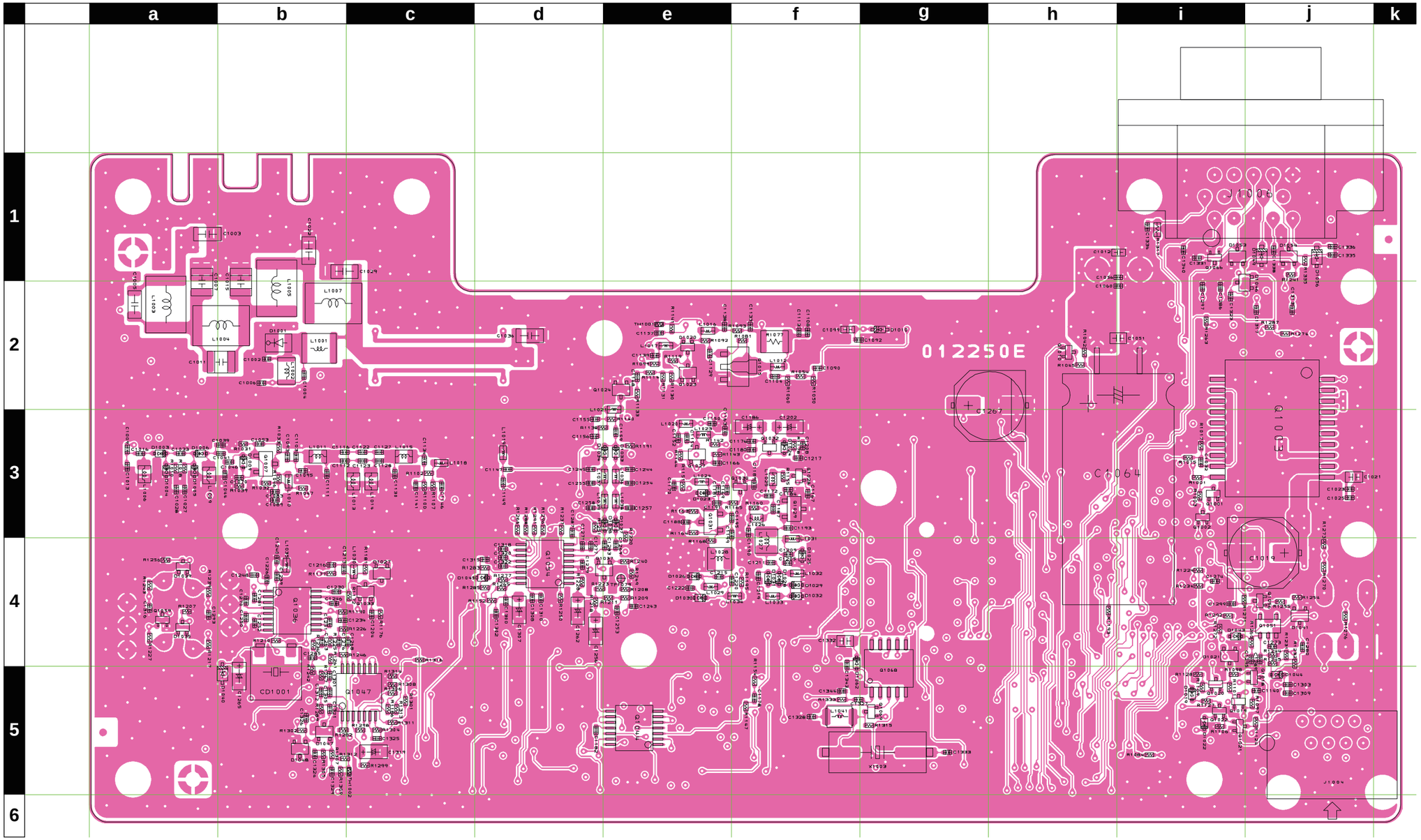


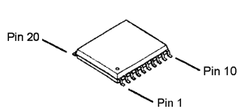
HSM88AS (C1)
(D1007, 1008)

MC2850 (A7)
(D1042, 1060, 1061)

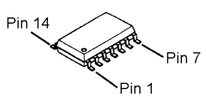
MAIN Unit (Lot. 1~4)

Parts Layout (Side B)

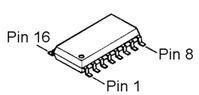




TDA1519CTH
(Q1003)

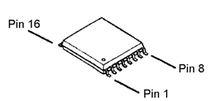


SN74LV4066APWR
(Q1044)

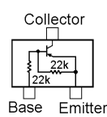


ADF4111BRUZ-RL7
(Q1054)

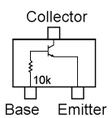
NJM2591V
(Q1036)



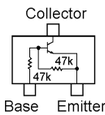
LM2902PWR
(Q1047)



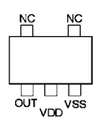
DTA124EE (15)
(Q1022)



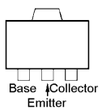
RT1N140U
(Q1010, 1030)



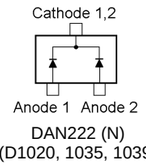
RT1N441U (N3)
(Q 1001, 1002, 1021, 1028, 1059, 1066)



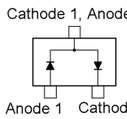
S-80835CNMC
(Q1051)



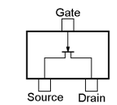
2SC3357-T2
(Q1015)



DAN222 (N)
(D1020, 1035, 1039)

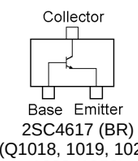


MC2850 (A7)
(D1021, 1027, 1041 1046, 1047, 1048 1053, 1054)



2SK508 (K52)
(Q1029)

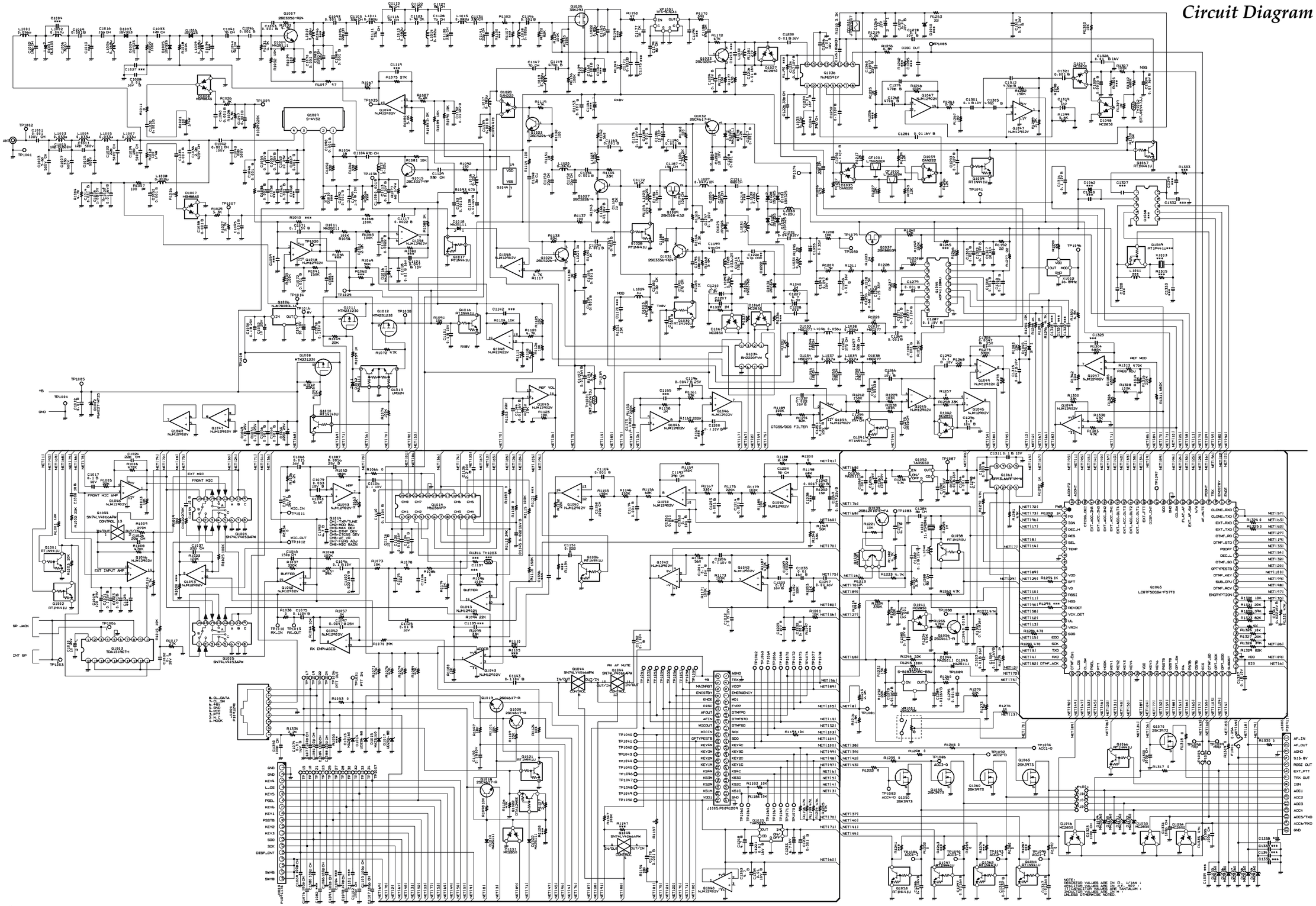
2SK880GR (XG)
(Q1037)



2SC4617 (BR)
(Q1018, 1019, 1020, 1032, 1056)

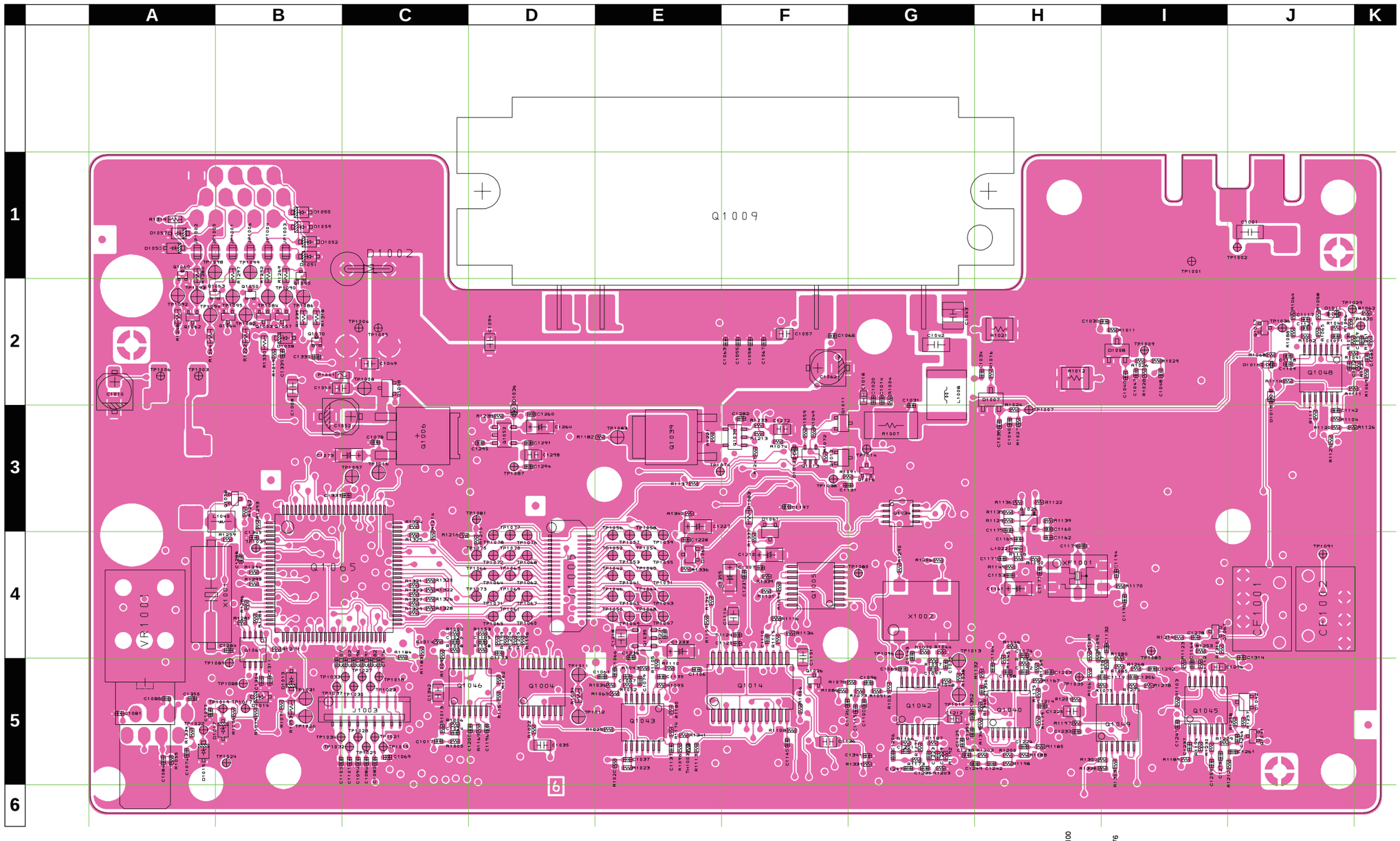
2SC5226-4 (R22)
(Q1023, 1024, 1027, 1033)

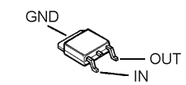
2SC3356 (R24)
(Q1007, 1031)



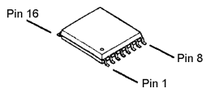
MAIN Unit (Lot. 5~8)

Note





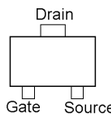
NJM7808DL1A
(Q1006)



SN74LV4053APWR
(Q1004, 1005)

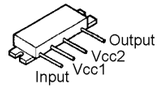
NJM12902V
(Q1040, 1042, 1043,
1045, 1046, 1048,1049)

LM2902PWR (Lot. 7~)
(Q1045)

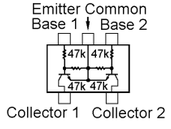


MTM231230L (BL)
(Q 1008, 1011, 1012)

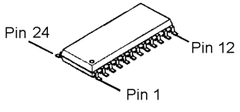
2SK397300L
(Q1050, 1055, 1060,
1063, 1070)



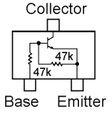
S-AV32
(Q1009)



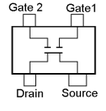
UMG2N
(Q1013)



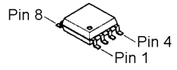
M62364FP
(Q1014)



RT1N441U (N3)
(Q 1016, 1017, 1026,
1041, 1053, 1057,
1062, 1064, 1067)

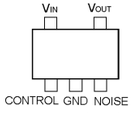


3SK293 (UF)
(Q1025)

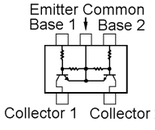


BH2220FVM
(Q1034)

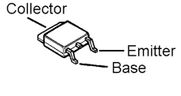
BR93L66RFVM
(Q1061)



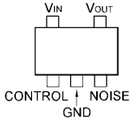
TAR5S35(3V5)
(Q1035)



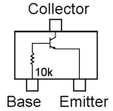
XN1501 (R5)
(Q1038)



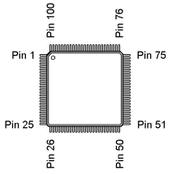
2SB1201S-TL
(Q1039)



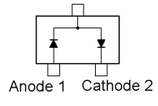
TAR5S50
(Q1052)



RT1N140U
(Q1058)



LC87F5CC8A
(Q1065)

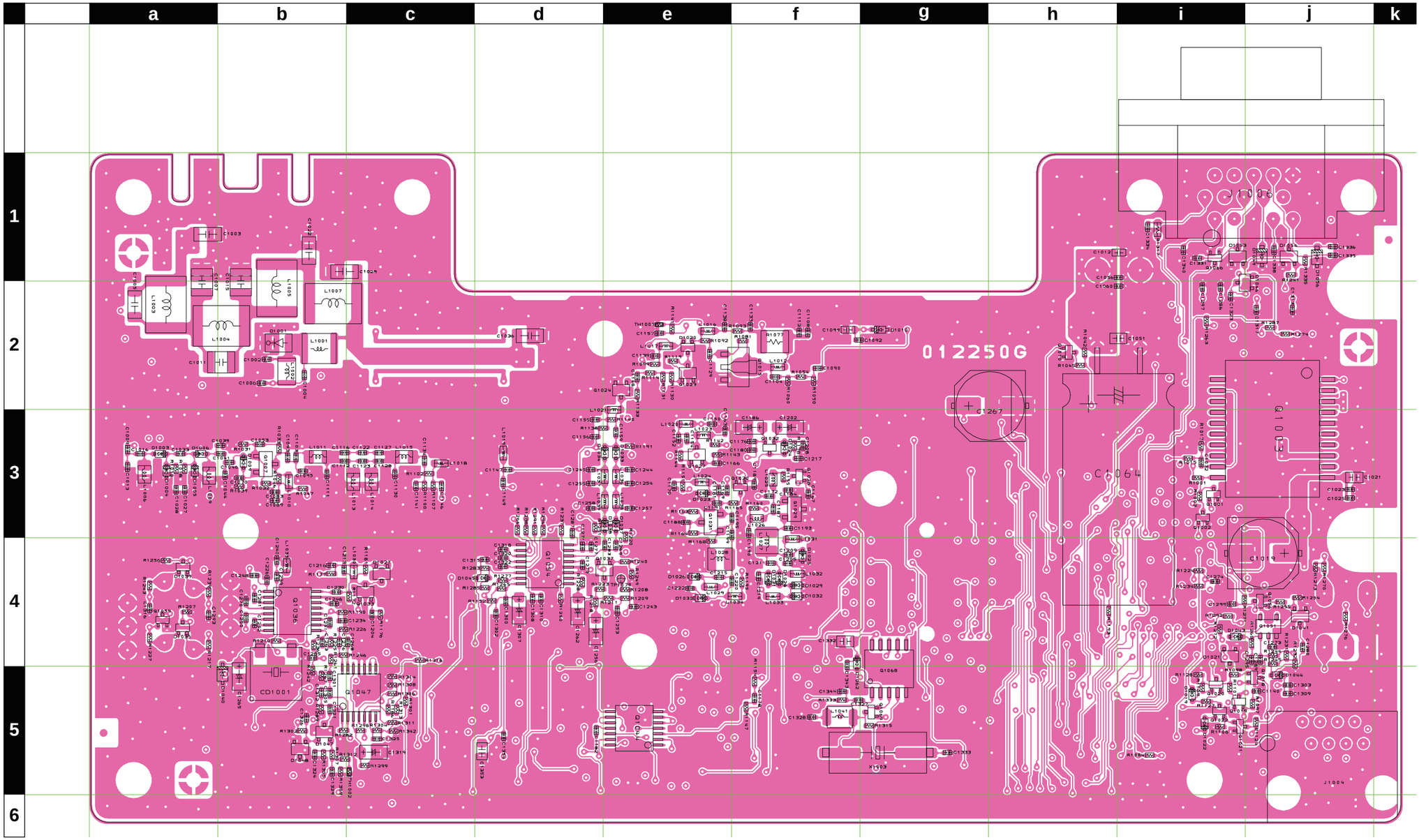


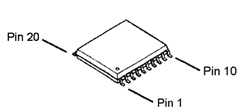
HSM88AS (C1)
(D1007, 1008)

MC2850 (A7)
(D1042, 1060, 1061)

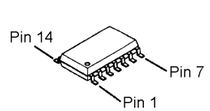
MAIN Unit (Lot. 5~8)

Parts Layout (Side B)

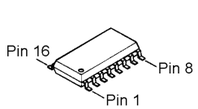




TDA1519CTH
(Q1003)

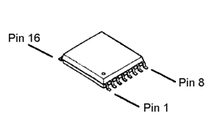


SN74LV4066APWR
(Q1044)

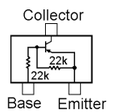


ADF4111BRUZ-RL7
(Q1054)

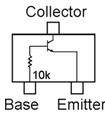
NJM2591V
(Q1036)



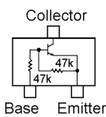
NJM12902V
(Q1047)



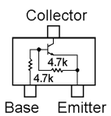
DTA124EE (15)
(Q1022)



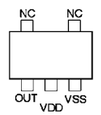
RT1N140U
(Q1010, 1030)



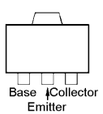
RT1N441U (N3)
(Q 1001, 1002, 1021, 1028, 1059, 1066)



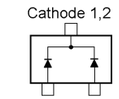
DTC143EE (23) (Lot. 7~)
(Q 1028, 1030)



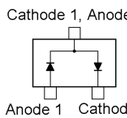
S-80835CNMC
(Q1051)



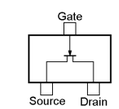
2SC3357-T2
(Q1015)



DAN222 (N)
(D1020, 1035, 1039)

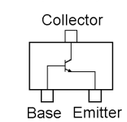


MC2850 (A7)
(D1021, 1027, 1041 1046, 1047, 1048 1053, 1054)



2SK508 (K52)
(Q1029)

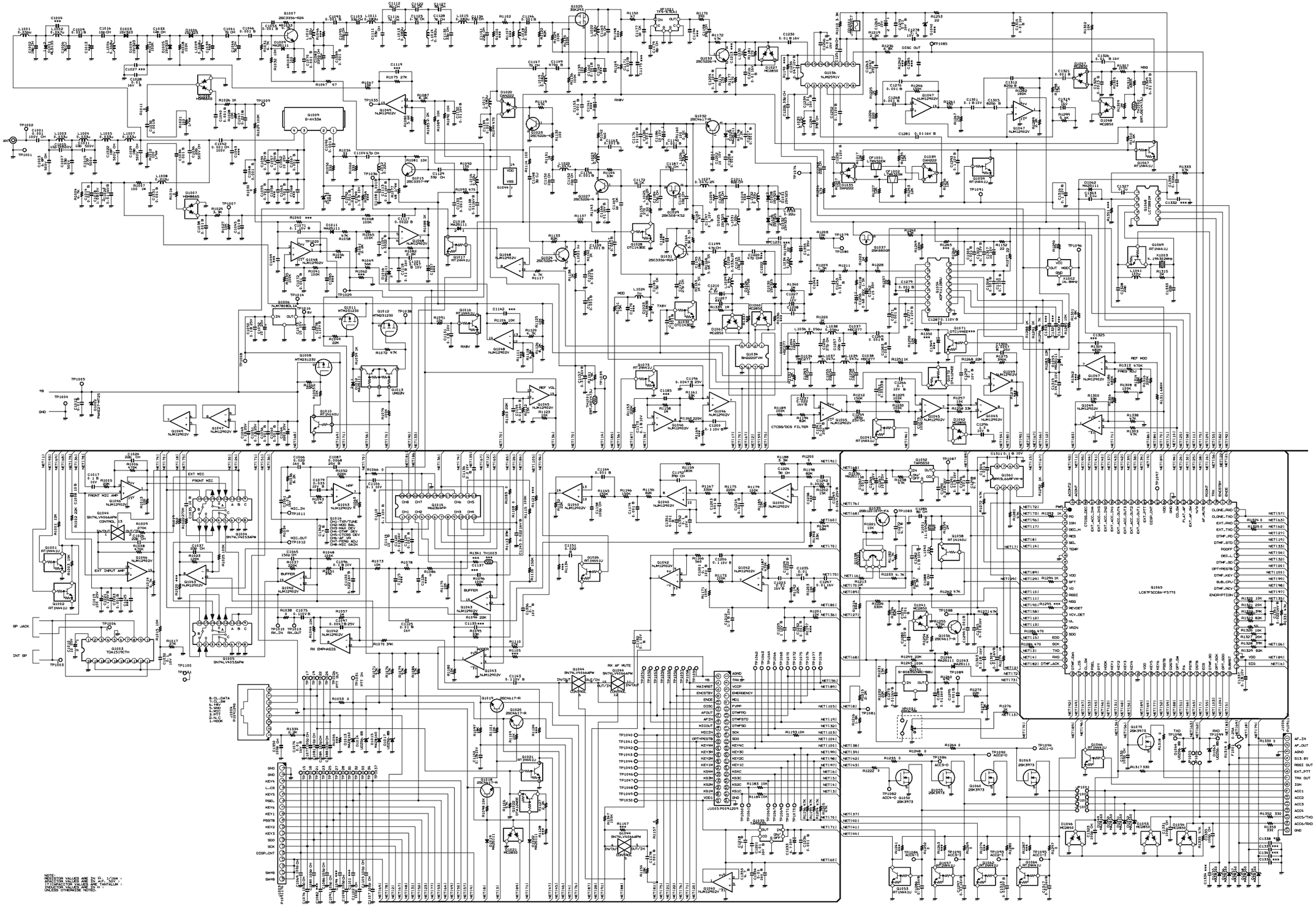
2SK880GR (XG)
(Q1037)



2SC4617 (BR)
(Q1018, 1019, 1020, 1032, 1056)

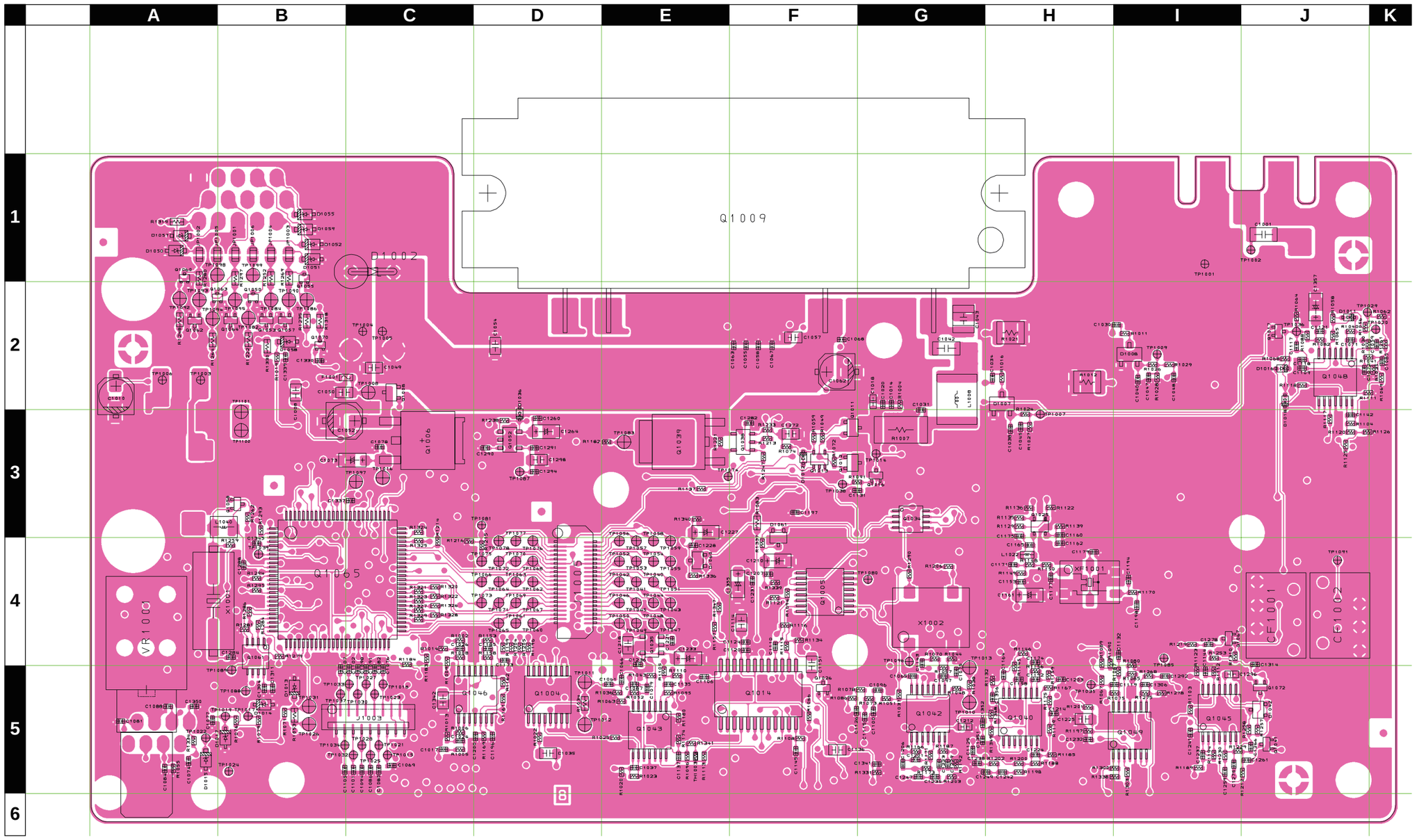
2SC5226-4 (R22)
(Q1023, 1024, 1027, 1033)

2SC3356 (R24)
(Q1007, 1031)



MAIN Unit (Lot. 9~17)

Note


A
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Q1009
D1002
Q1006
Q1005
Q1003
Q1004
Q1046
Q1043
Q1014
Q1039
Q1042
Q1040
Q1048
Q1045
X1001
X1002
VR1001
CF1001
CF1002
L1001
L1002
L1003
L1004
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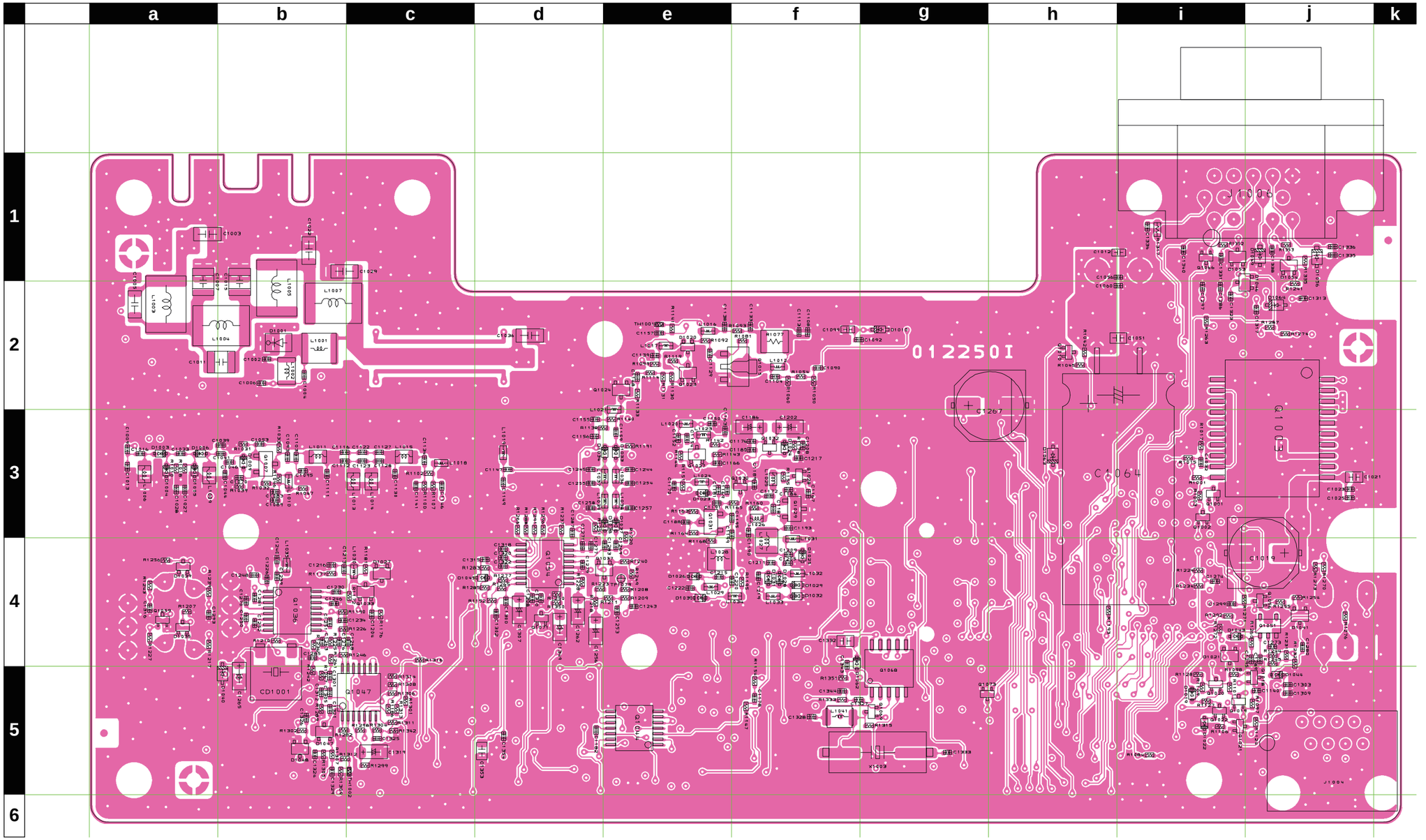
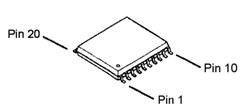
L1039
L1040

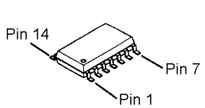
MAIN Unit (Lot. 9~17)

Parts Layout (Side B)

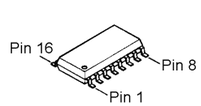




TDA1519CTH
(Q1003)

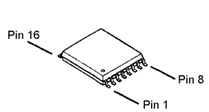


SN74LV4066APWR
(Q1044)

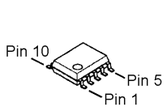


ADF4111BRUZ-RL7
(Q1054)

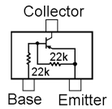
NJM2591V
(Q1036)



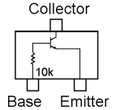
NJM12902V
(Q1047)



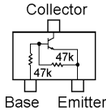
LC73881M
(Q1068)



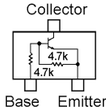
DTA124EE (15)
(Q1022, 1072)



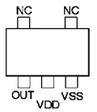
RT1N140U
(Q1010)



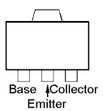
RT1N441U (N3)
(Q 1001, 1002, 1021,
1059, 1066, 1069, 1073)



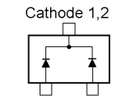
DTC143EE (23)
(Q 1028, 1030)



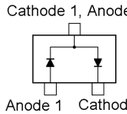
S-80835CNMC
(Q1051)



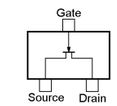
2SC3357-T2
(Q1015)



DAN222 (N)
(D1020, 1035, 1039)

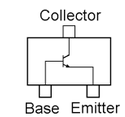


MC2850 (A7)
(D1021, 1027, 1041
1046, 1047, 1048
1053, 1054)



2SK508 (K52)
(Q1029)

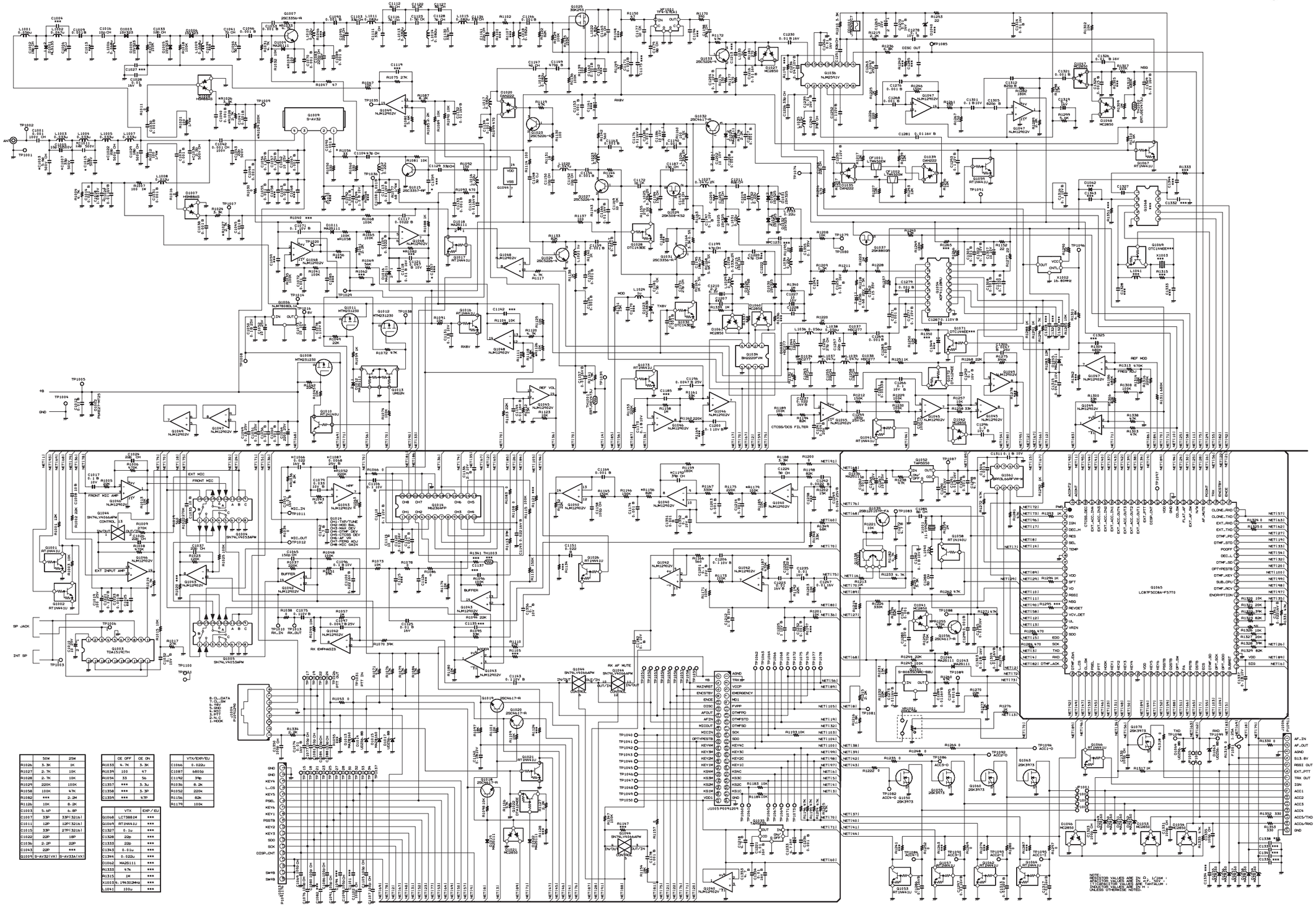
2SK880GR (XG)
(Q1037)



2SC4617 (BR)
(Q1018, 1019, 1020,
1032, 1056)

2SC5226-4 (R22)
(Q1023, 1024,
1027, 1033)

2SC3356 (R24)
(Q1007, 1031)



	50W	25W
R1026	3.3K	1K
R1027	2.7K	10K
R1028	2.7K	10K
R1029	220K	100K
R1058	150K	47K
R1082	***	2.2M
R1126	10K	8.2K
C1003	5.6P	5.6P
C1007	33P	33P(3216)
C1011	12P	12P(3216)
C1015	33P	27P(3216)
C1022	22P	18P
C1036	2.2P	22P
C1043	22P	***
G1009	S-AV32(VX)	S-AV33A1(VX)

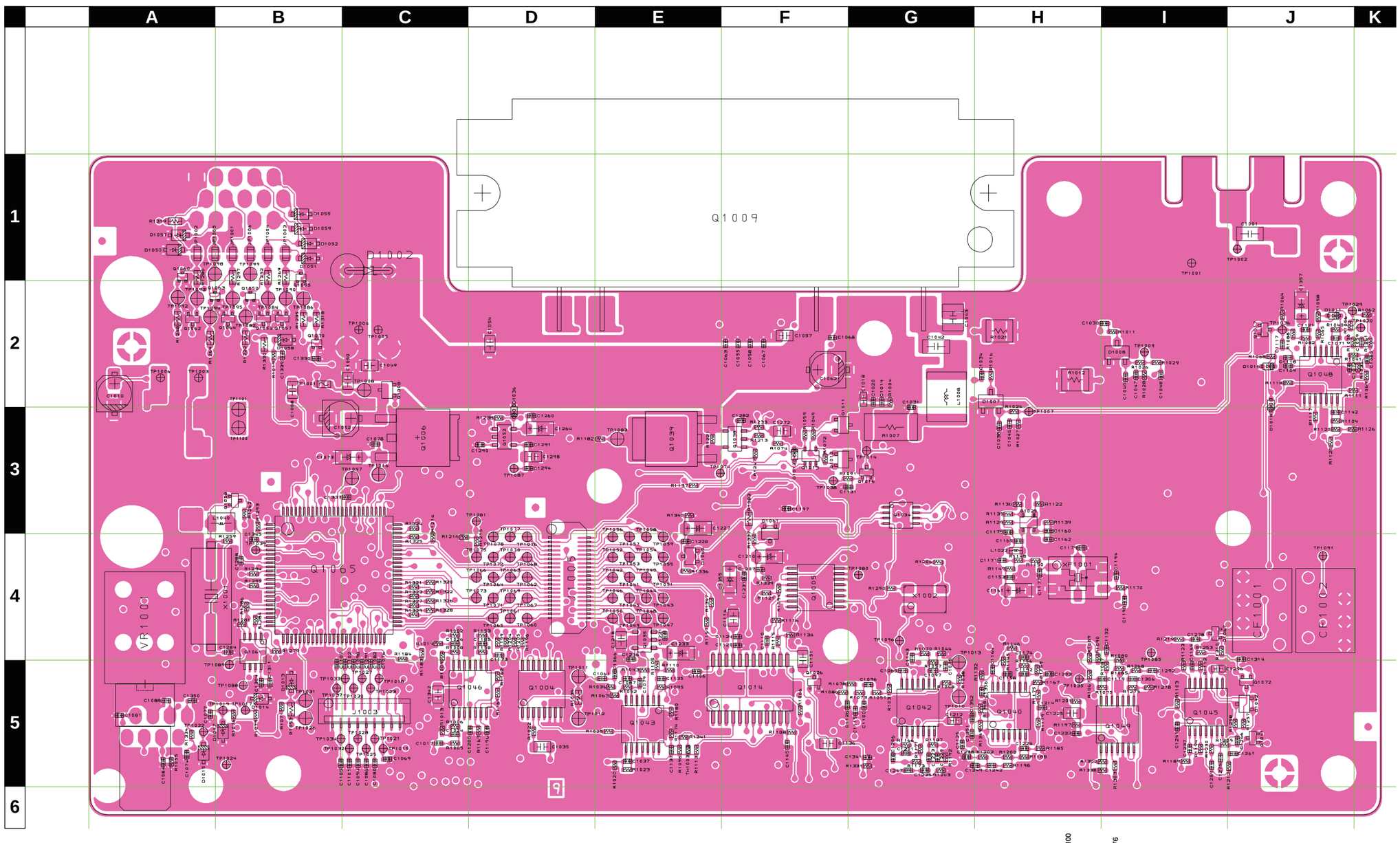
	OE OFF	OE ON
R1033	4.7K	3.3K
R1034	100	47
R1054	33	56
C1357	***	3.3u
C1358	***	3.3P
C1354	***	47P

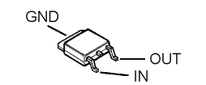
	VTX/EXP/EU
C1066	0.022u
C1087	6800p
C1192	39p
R1036	8.2K
R1052	220K
R1156	82K
R1179	100K

	VTX	EXP/EU
G1068	LC73881M	***
G1069	RT1N441U	***
C1327	0.1u	***
C1328	22p	***
C1333	22p	***
C1343	0.01u	***
C1344	0.022u	***
D1062	MA25111	***
R1333	4.7K	***
R1315	1M	***
X1003	14.19432MHz	***
L1041	100u	***

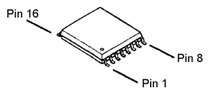
MAIN Unit (Lot. 18~20)

Note



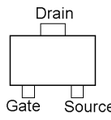


NJM7808DL1A
(Q1006)



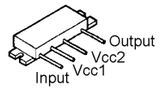
SN74LV4053APWR
(Q1004, 1005)

NJM12902V
(Q1040, 1042, 1043,
1045, 1046, 1048,1049)

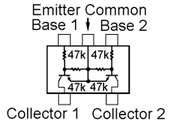


MTM231230L (BL)
(Q 1008, 1011, 1012)

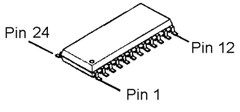
2SK397300L
(Q1050, 1055, 1060,
1063, 1070)



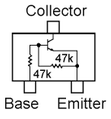
S-AV32 (50 W)
S-AV33 (25 W)
(Q1009)



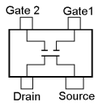
UMG2N
(Q1013)



M62364FP
(Q1014)



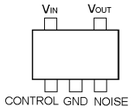
RT1N441U (N3)
(Q 1016, 1017, 1026,
1041, 1053, 1057,
1062, 1064, 1067)



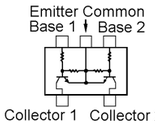
3SK293 (UF)
(Q1025)

BH2220FVM
(Q1034)

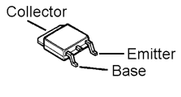
BR93L66RFVM
(Q1061)



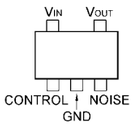
TAR5S35(3V5)
(Q1035)



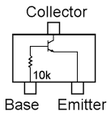
XN1501 (R5)
(Q1038)



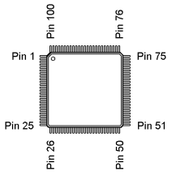
2SB1201S-TL
(Q1039)



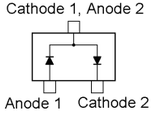
TAR5S50
(Q1052)



RT1N140U
(Q1058)



LC87F5CC8A
(Q1065)

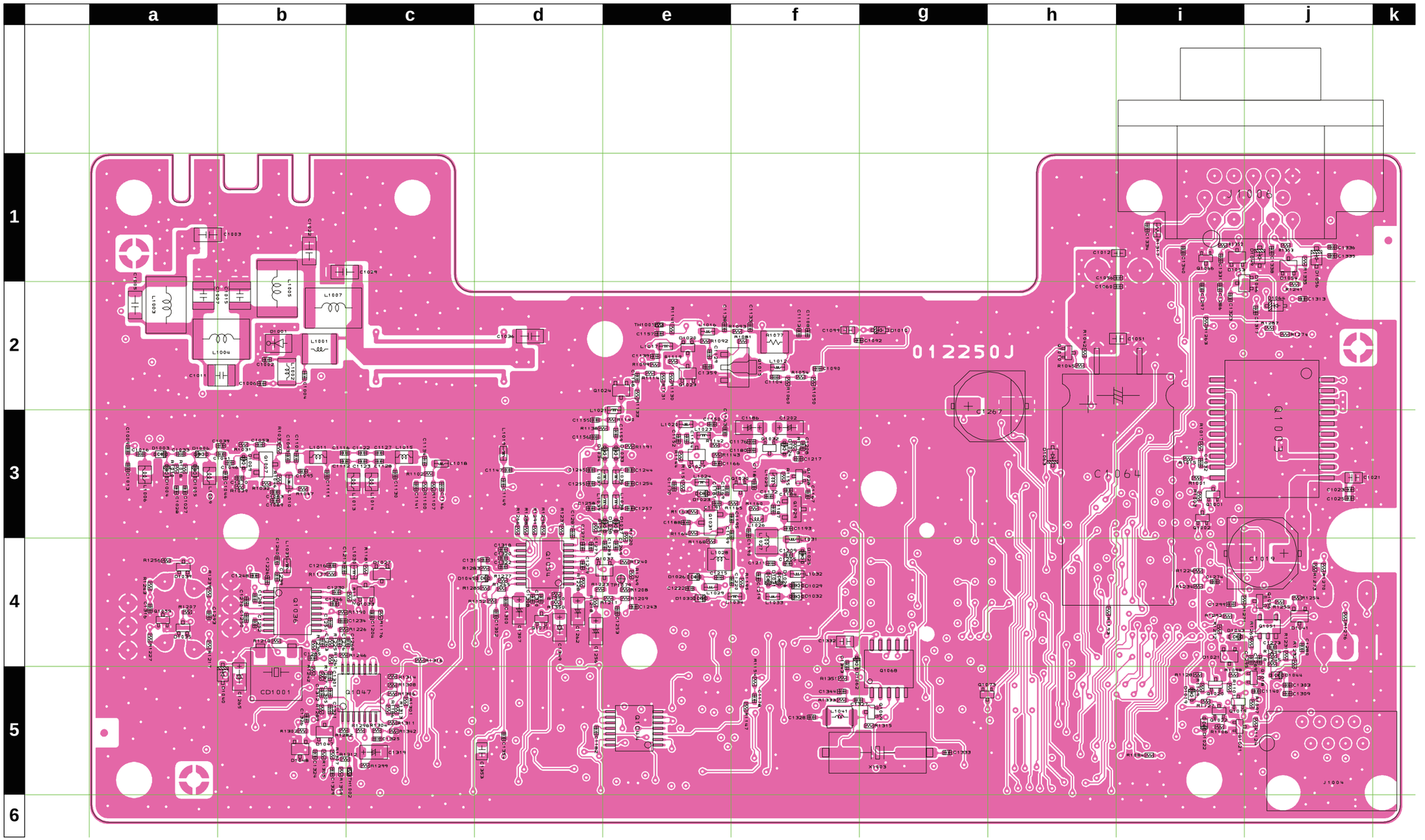


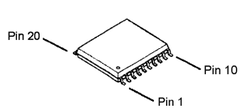
HSM88AS (C1)
(D1007, 1008)

MC2850 (A7)
(D1042, 1060, 1061)

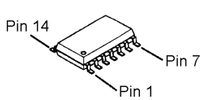
MAIN Unit (Lot. 18~20)

Parts Layout (Side B)

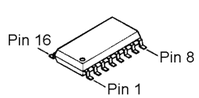




TDA1519CTH
(Q1003)

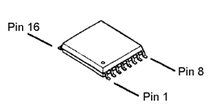


SN74LV4066APWR
(Q1044)

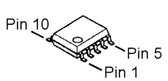


ADF4111BRUZ-RL7
(Q1054)

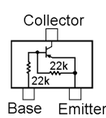
NJM2591V
(Q1036)



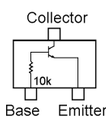
NJM12902V
(Q1047)



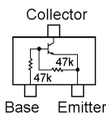
LC73881M
(Q1068)



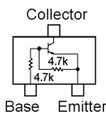
DTA124EE (15)
(Q1022, 1072)



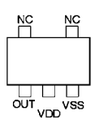
RT1N140U
(Q1010)



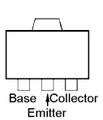
RT1N441U (N3)
(Q 1001, 1002, 1021,
1059, 1066, 1069, 1073)



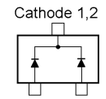
DTC143EE (23)
(Q 1028, 1030)



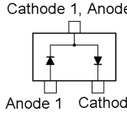
S-80835CNMC
(Q1051)



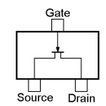
2SC3357-T2
(Q1015)



DAN222 (N)
(D1020, 1035, 1039)

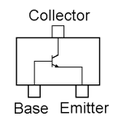


MC2850 (A7)
(D1021, 1027, 1041
1046, 1047, 1048
1053, 1054)



2SK508 (K52)
(Q1029)

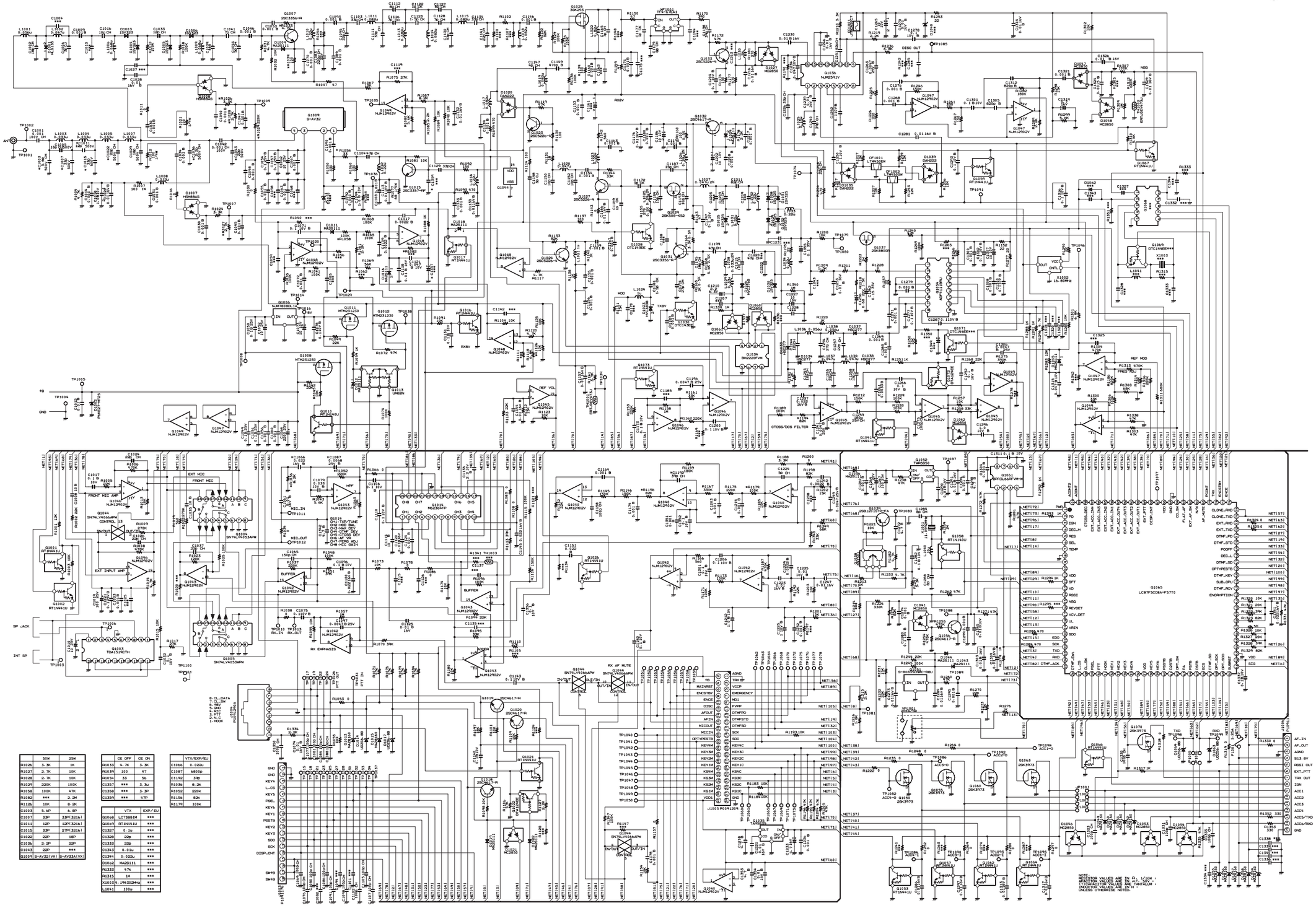
2SK880GR (XG)
(Q1037)



2SC4617 (BR)
(Q1018, 1019, 1020,
1032, 1056)

2SC5226-4 (R22)
(Q1023, 1024,
1027, 1033)

2SC3356 (R24)
(Q1007, 1031)



	50W	25W
R1026	3.3K	1K
R1027	2.7K	10K
R1028	2.7K	10K
R1029	220K	100K
R1058	150K	47K
R1082	***	2.2M
R1126	10K	8.2K
C1003	5.6P	5.6P
C1007	33P	33P(3216)
C1011	12P	12P(3216)
C1015	33P	27P(3216)
C1022	22P	18P
C1036	2.2P	22P
C1043	22P	***
Q1009	S-AV32(VK)	S-AV33A(VK)

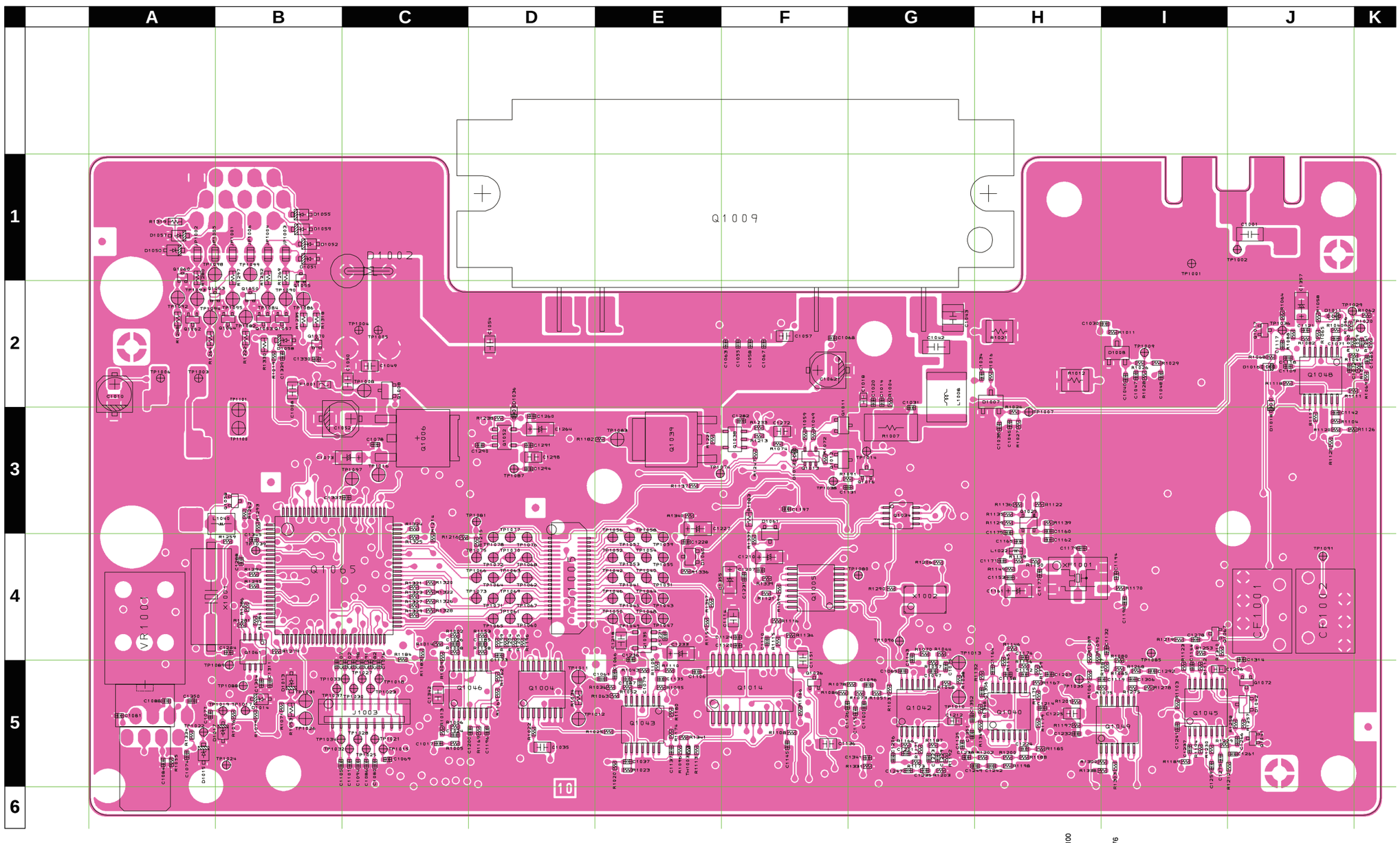
	OE OFF	OE ON
R1033	4.7K	3.3K
R1034	100	47
R1054	33	56
C1357	***	3.3u
C1358	***	3.3P
C1354	***	47P

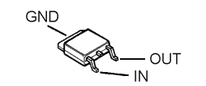
	VTX/EXP/EU
C1066	0.022u
C1087	6800p
C1192	39p
R1036	8.2K
R1052	220K
R1156	82K
R1179	100K

	VTX	EXP/EU
G1068	LC7386M	***
G1069	RT1N441U	***
C1327	0.1u	***
C1328	22p	***
C1333	22p	***
C1343	0.01u	***
C1344	0.022u	***
D1062	MA25111	***
R1333	4.7K	***
R1315	1M	***
X1003	14.19432MHz	***
L1041	100u	***

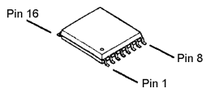
MAIN Unit (Lot. 21~)

Note



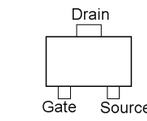


NJM7808DL1A
(Q1006)



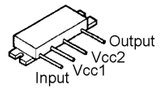
SN74LV4053APWR
(Q1004, 1005)

NJM12902V
(Q1040, 1042, 1043,
1045, 1046, 1048,1049)

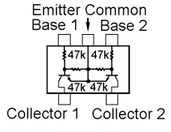


MTM231230L (BL)
(Q 1008, 1011, 1012)

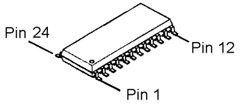
2SK397300L
(Q1050, 1055, 1060,
1063, 1070)



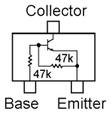
S-AV32 (50 W)
S-AV33 (25 W)
(Q1009)



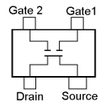
UMG2N
(Q1013)



M62364FP
(Q1014)



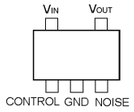
RT1N441U (N3) (Lot. 1~22)
DTC144EE (26) (Lot. 23~)
(Q 1016, 1017, 1026,
1041, 1053, 1057,
1062, 1064, 1067)



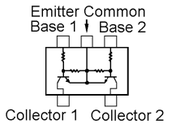
3SK293 (UF)
(Q1025)

BH2220FVM
(Q1034)

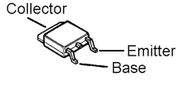
BR93L66RFVM
(Q1061)



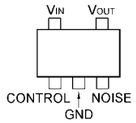
TAR5S35(3V5)
(Q1035)



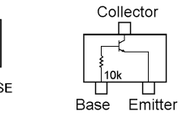
XN1501 (R5)
(Q1038)



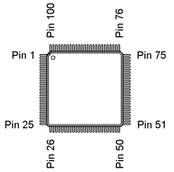
2SB1201S-TL
(Q1039)



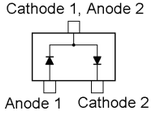
TAR5S50
(Q1052)



RT1N140U (Lot. 1~25)
DTC114TE (04) (Lot. 26~)
(Q1058)



LC87F5CC8A
(Q1065)

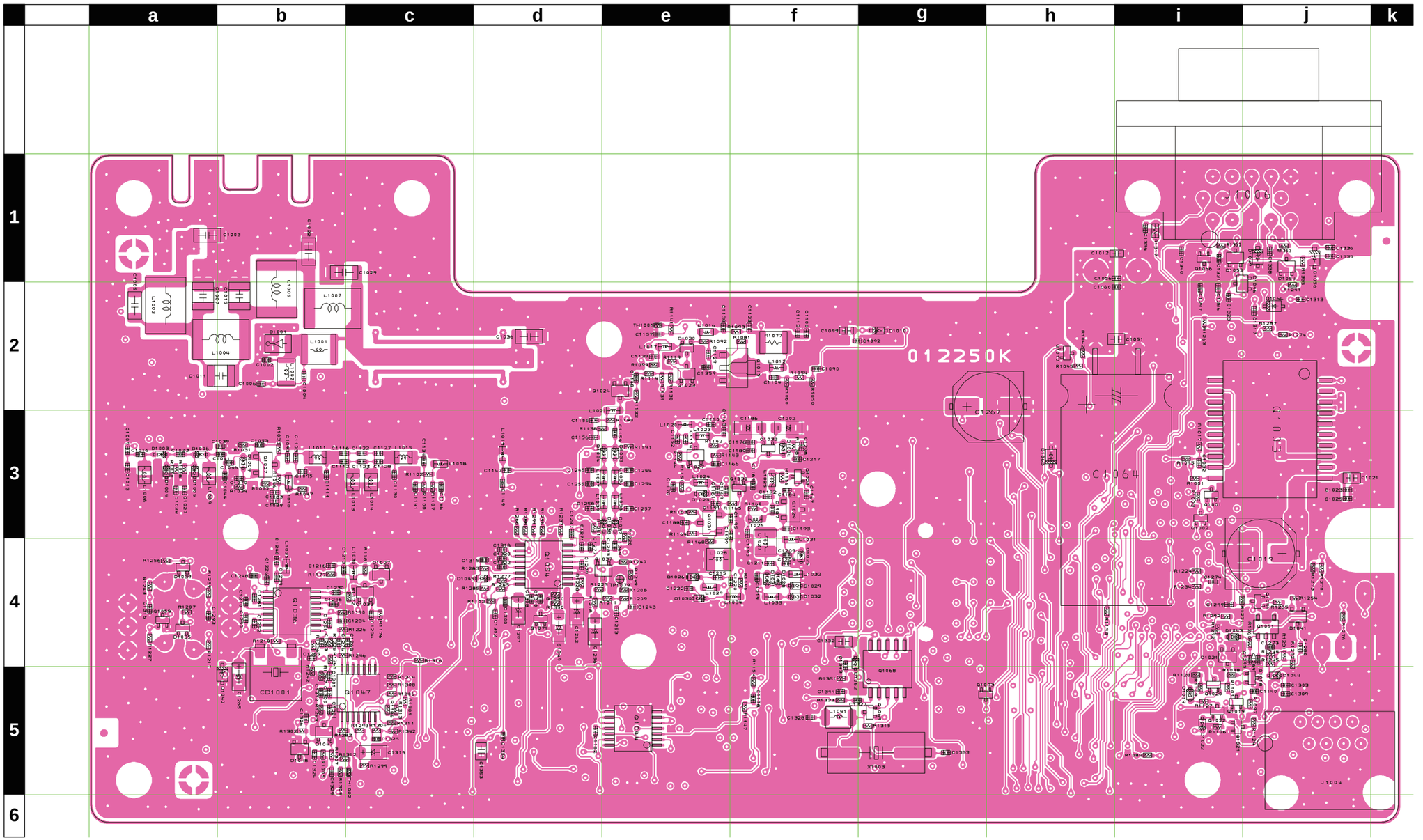


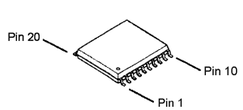
HSM88AS (C1)
(D1007, 1008)

MC2850 (A7) (Lot. 1~22)
DAN217U (A7) (Lot. 23~)
(D1042, 1060, 1061)

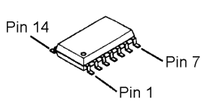
MAIN Unit (Lot. 21~)

Parts Layout (Side B)

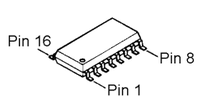




TDA1519CTH
(Q1003)

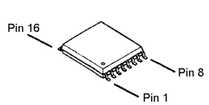


SN74LV4066APWR
(Q1044)



ADF4111BRUZ-RL7
(Q1054)

NJM2591V
(Q1036)



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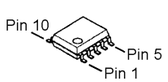
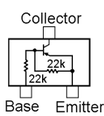
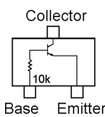
(Q1047)



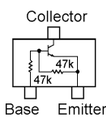
LC73881M
(Q1068)



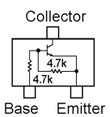
DTA124EE (15)
(Q1022, 1072)



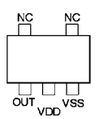
RT1N140U (Lot. 1~24)
(Q1010)



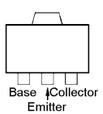
RT1N441U (N3) (Lot. 1~22)
DTC144EE (26) (Lot. 23~)
(Q 1001, 1002, 1010, 1021,
1059, 1066, 1069, 1073)



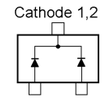
DTC143EE (23)
(Q 1028, 1030)



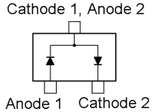
S-80835CNMC
(Q1051)



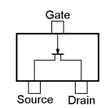
2SC3357-T2
(Q1015)



DAN222 (N)
(D1020, 1035, 1039)

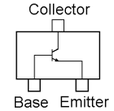


MC2850 (A7) (Lot. 1~22)
DAN217U (A7) (Lot. 23~)
(D1021, 1027, 1041
1046, 1047, 1048
1053, 1054)



2SK508 (K52)
(Q1029)

2SK880GR (XG)
(Q1037)



2SC4617 (BR)
(Q1018, 1019, 1020,
1032, 1056)

2SC5226-4 (R22)
(Q1023, 1024,
1027, 1033)

2SC3356 (R24)
(Q1007, 1031)

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
	PCB with Components					CS2024705	25 W			
C 1001	CHIP CAP.	0.001uF	100V	CH	GRM31M2C2A102JZ01L	K22201202		1-	A	I2
C 1002	CHIP CAP.	18pF	50V	CH	GRM1552C1H180JZ01D	K22178218		1-	B	b2
C 1003	CHIP CAP.	5.6pF	500V	CH	1206N5R6C501LT	K22278206		1-8	B	b2
C 1003	CHIP CAP.	6.8pF	500V	CH	1206N6R8D501LT	K22278207	25W	9-	B	b2
C 1003	CHIP CAP.	5.6pF	500V	CH	1206N5R6C501LT	K22278206	50W	9-	B	b2
C 1005	CHIP CAP.	10pF	500V	CH	CF316CH100D500AT	K22271255		1-	B	b2
C 1006	CHIP CAP.	3pF	50V	CJ	GRM1553C1H3R0BZ01D	K22178290		1-	B	b2
C 1007	FILM CAP.	33pF	500V		UC232H0330G-T	K33279053		1-8	B	b2
C 1007	CHIP CAP.	33pF	500V	CH	GRM31M2C2H330JV01L	K22271225	25W	9-	B	b2
C 1007	FILM CAP.	33pF	500V		UC232H0330G-T	K33279053	50W	9-17	B	b2
C 1007	FILM CAP.	27pF	500V		UC232H0270J-T	K33279023	50W	18-	B	b2
C 1008	CHIP CAP.	10uF	6.3V	B	JMK212BJ106KG-T	K22080802		1-	A	B2
C 1009	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	a3
C 1010	AL.ELECTRO.CAP.	10uF	25V		EMVA250ADA100MD55G	K48140014		1-22	A	A2
C 1010	AL.ELECTRO.CAP.	10uF	25V		UWR1E100MCL1GB	K48140019		23-	A	A2
C 1011	FILM CAP.	12pF	500V		UC232H0120J-T	K33279020		1-8	B	b2
C 1011	CHIP CAP.	12pF	500V	CH	1206N120J501LT	K22278210	25W	9-15	B	b2
C 1011	CHIP CAP.	12pF	200V	CH	GRM2192C2D120JV01D	K22230217	25W	16-24	B	b2
C 1011	CHIP CAP.	12pF	500V	CH	1206N120J501LT	K22278210	25W	25-	B	b2
C 1011	FILM CAP.	12pF	500V		UC232H0120J-T	K33279020	50W	9-	B	b2
C 1012	CHIP CAP.	0.01uF	50V	B	GRM188B11H103KA01D	K22174823		1-	B	i1
C 1014	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	G2
C 1015	FILM CAP.	33pF	500V		UC232H0330G-T	K33279053		1-8	B	b2
C 1015	CHIP CAP.	27pF	500V	CH	GRM31M2C2H270JV01L	K22271223	25W/CE:OFF	9-16	B	b2
C 1015	CHIP CAP.	22pF	500V	CH	CF316CH220J500AT	K22271259	25W/CE:ON	9-16	B	b2
C 1015	CHIP CAP.	27pF	500V	CH	GRM31M2C2H270JV01L	K22271223	25W	17-	B	b2
C 1015	FILM CAP.	33pF	500V		UC232H0330G-T	K33279053	50W	9-17	B	b2
C 1015	FILM CAP.	27pF	500V		UC232H0270J-T	K33279023	50W	18-	B	b2
C 1016	CHIP CAP.	10pF	50V	CH	GRM1552C1H100JZ01D	K22178212		1-	B	a3
C 1017	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	C5
C 1018	CHIP CAP.	1uF	10V	B	ECJ1VB1A105K	K22104806		1-	A	G2
C 1019	AL.ELECTRO.CAP.	100uF	25V		EEE1EA101UP	K48140018		1-30	B	j4
C 1019	AL.ELECTRO.CAP.	100uF	25V		UUR1E101MCL1GS	K48140020		31-	B	j4
C 1020	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-21	A	G2
C 1020	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		22-	A	G2
C 1021	CHIP CAP.	0.1uF	25V	B	GRM21BB11E104KA01L	K22140811		1-	B	j3
C 1022	CHIP CAP.	22pF	500V	CH	1206N220J501LT	K22278213		1-8	B	b1
C 1022	CHIP CAP.	18pF	500V	CH	1206N180J501LT	K22278212	25W	9-	B	b1
C 1022	CHIP CAP.	22pF	500V	CH	1206N220J501LT	K22278213	50W	9-	B	b1
C 1023	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	j3
C 1024	CHIP CAP.	22pF	50V	CH	GRM1552C1H220JZ01D	K22178220		1-	A	C5
C 1026	CHIP CAP.	22pF	50V	CH	GRM1552C1H220JZ01D	K22178220		1-	A	C4
C 1028	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-21	B	a3
C 1028	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		22-	B	a3
C 1029	CHIP CAP.	18pF	500V	CH	1206N180J501LT	K22278212		1-	B	b1
C 1030	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	I2
C 1031	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	G2
C 1032	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	i3
C 1033	CHIP CAP.	12pF	50V	CH	GRM1552C1H120JZ01D	K22178214		1-	B	a3
C 1034	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	H2
C 1035	CHIP CAP.	10uF	6.3V	B	JMK212BJ106KG-T	K22080802		1-	A	D5
C 1036	CHIP CAP.	2.2pF	500V	CH	1206N2R2C501LT	K22278201		1-8	B	d2
C 1036	CHIP CAP.	22pF	500V	CH	1206N220J501LT	K22278213	25W	9-	B	d2
C 1036	CHIP CAP.	2.2pF	500V	CH	1206N2R2C501LT	K22278201	50W	9-	B	d2
C 1037	CHIP CAP.	22pF	50V	CH	GRM1552C1H220JZ01D	K22178220		1-	A	E5
C 1038	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	H3
C 1040	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	I2
C 1041	CHIP CAP.	7pF	50V	CH	GRM1552C1H7R0BZ01D	K22178294		1-	B	b3
C 1042	CHIP CAP.	0.001uF	100V	CH	GRM31M2C2A102JZ01L	K22201202		1-	A	G2
C 1043	FILM CAP.	22pF	500V		UC232H0220J-T	K33279021		1-8	A	G2
C 1043	FILM CAP.	22pF	500V		UC232H0220J-T	K33279021	50W	9-	A	G2
C 1044	CHIP CAP.	5pF	50V	CH	GRM1552C1H5R0CZ01D	K22178207		1-	B	b3
C 1045	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	H3
C 1046	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	b3
C 1047	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	I2
C 1048	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	I2
C 1049	CHIP CAP.	0.1uF	25V	B	GRM21BB11E104KA01L	K22140811		1-	A	C2
C 1050	CHIP CAP.	0.1uF	25V	B	GRM21BB11E104KA01L	K22140811		1-	A	C2
C 1051	CHIP CAP.	0.1uF	25V	B	GRM21BB11E104KA01L	K22140811		1-	B	i2
C 1052	AL.ELECTRO.CAP.	10uF	25V		EMVA250ADA100MD55G	K48140014		1-22	A	B3
C 1052	AL.ELECTRO.CAP.	10uF	25V		UWR1E100MCL1GB	K48140019		23-	A	B3
C 1053	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	b3
C 1054	CHIP CAP.	0.1uF	25V	B	GRM21BB11E104KA01L	K22140811		1-	A	D2

MAIN Unit (25 W & 50 W: Lot. 1 ~ 32)

Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
C 1055	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	F2
C 1056	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	i1
C 1057	CHIP CAP.	0.1uF	25V	B	GRM21BB11E104KA01L	K22140811		1-	A	F2
C 1060	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	i2
C 1061	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-21	A	E5
C 1061	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		22-	A	E5
C 1062	AL.ELECTRO.CAP.	10uF	25V		EMVA250ADA100MD55G	K48140014		1-22	A	F2
C 1062	AL.ELECTRO.CAP.	10uF	25V		UWR1E100MCL1GB	K48140019		23-	A	F2
C 1063	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	F2
C 1064	AL.ELECTRO.CAP.	2200uF	25V		RE3-25V222MI6#	K40149055		1-22	B	i2
C 1064	AL.ELECTRO.CAP.	2200uF	25V		UVR1E222MHD	K40149078		23-	B	i2
C 1065	CHIP CAP.	150pF	50V	CH	GRM1552C1H151JA01D	K22178240		1-	A	G5
C 1066	CHIP CAP.	0.015uF	16V	B	GRM155B11C153KA01D	K22128807		1-4	A	E5
C 1066	CHIP CAP.	0.022uF	16V	B	GRM155B11C223KA01D	K22128806		5-	A	E5
C 1067	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	F2
C 1069	CHIP CAP.	100pF	50V	CH	GRM1552C1H101JD01D	K22178236		1-	A	C5
C 1070	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	b3
C 1071	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	J2
C 1072	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	J2
C 1073	CHIP TA.CAP.	10uF	10V		TEESVA1A106M8R	K78100028		1-	A	C3
C 1074	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-21	A	A5
C 1074	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		22-	A	A5
C 1075	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	G5
C 1076	CHIP CAP.	100pF	50V	CH	GRM1552C1H101JD01D	K22178236		1-	A	C5
C 1077	CHIP CAP.	100pF	50V	CH	GRM1552C1H101JD01D	K22178236		1-	A	A5
C 1078	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	C3
C 1079	CHIP CAP.	0.033uF	10V	B	GRM155B11A333KA01D	K22108803		1-	A	E5
C 1080	CHIP CAP.	100pF	50V	CH	GRM1552C1H101JD01D	K22178236		1-	A	C5
C 1081	CHIP CAP.	100pF	50V	CH	GRM1552C1H101JD01D	K22178236		1-	A	A5
C 1083	CHIP CAP.	220pF	25V	CH	GRM36CH221J25PT	K22148203		1-21	B	b3
C 1083	CHIP CAP.	220pF	50V	CH	GRM1552C1H221JA01D	K22179713		22-	B	b3
C 1084	CHIP CAP.	100pF	50V	CH	GRM1552C1H101JD01D	K22178236		1-	A	A5
C 1086	CHIP CAP.	100pF	50V	CH	GRM1552C1H101JD01D	K22178236		1-	A	C5
C 1087	CHIP CAP.	0.0015uF	50V	B	GRM155B11H152KA01D	K22178811		1-2	A	E5
C 1087	CHIP CAP.	0.0056uF	25V	B	GRM155B11E562KA01D	K22148802		3-4	A	E5
C 1087	CHIP CAP.	0.0068uF	25V	B	GRM155B11E682KA01D	K22148803		5-	A	E5
C 1088	CHIP CAP.	100pF	50V	CH	GRM1552C1H101JD01D	K22178236		1-	A	A5
C 1089	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	b3
C 1090	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	f2
C 1091	CHIP CAP.	100pF	50V	CH	GRM1552C1H101JD01D	K22178236		1-	A	C5
C 1092	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	f2
C 1093	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	b3
C 1095	CHIP CAP.	22pF	50V	CH	GRM1552C1H220JZ01D	K22178220		1-	B	b3
C 1096	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	G5
C 1097	CHIP CAP.	0.0047uF	25V	B	GRM36B472K25PT	K22148830		1-21	A	G5
C 1097	CHIP CAP.	0.0047uF	50V	B	GRM155B11H472KA01D	K22178838		22-	A	G5
C 1098	CHIP CAP.	100pF	50V	CH	GRM1552C1H101JD01D	K22178236		1-	A	C5
C 1099	CHIP CAP.	1uF	10V	B	ECJ1VB1A105K	K22104806		1-	B	f2
C 1100	CHIP CAP.	0.022uF	16V	B	GRM155B11C223KA01D	K22128806		1-	A	G5
C 1102	CHIP CAP.	100pF	50V	CH	GRM1552C1H101JD01D	K22178236		1-	A	C5
C 1103	CHIP CAP.	33pF	50V	CH	GRM1552C1H330JZ01D	K22178224		1-	B	b3
C 1104	CHIP CAP.	47pF	50V	CH	GRM1552C1H470JZ01D	K22178228		1-	B	f2
C 1105	CHIP CAP.	100pF	50V	CH	GRM1552C1H101JD01D	K22178236		1-	A	B5
C 1106	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	E5
C 1107	CHIP CAP.	100pF	50V	CH	GRM1552C1H101JD01D	K22178236		1-	A	B5
C 1108	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	f2
C 1109	CHIP CAP.	0.0022uF	50V	B	GRM155B11H222KA01D	K22178813		1-	A	J2
C 1110	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	F4
C 1111	CHIP CAP.	33pF	50V	CH	GRM1552C1H330JZ01D	K22178224		1-	B	b3
C 1112	CHIP CAP.	8pF	50V	CH	GRM1552C1H8R0BZ01D	K22178295		1-	B	b3
C 1113	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-21	B	f2
C 1113	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		22-	B	f2
C 1114	CHIP CAP.	10uF	6.3V	B	JMK212BJ106KG-T	K22080802		1-	A	F4
C 1116	CHIP CAP.	7pF	50V	CH	GRM1552C1H7R0BZ01D	K22178294		1-	B	b3
C 1117	CHIP CAP.	0.0022uF	50V	B	GRM155B11H222KA01D	K22178813		1-	A	J2
C 1118	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-21	A	J2
C 1118	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		22-	A	J2
C 1120	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-21	A	F4
C 1120	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		22-	A	F4
C 1121	CHIP CAP.	0.047uF	10V	B	GRM155B11A473KA01D	K22108801		1-	A	J2
C 1122	CHIP CAP.	1pF	50V	CK	GRM1554C1H1R0CZ01D	K22178202		1-	B	c3
C 1123	CHIP CAP.	1.5pF	50V	CK	GRM1554C1H1R5CZ01D	K22178203		1-	B	c3
C 1124	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	F4
C 1125	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-21	A	G5

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
C 1125	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		22-	A	G5
C 1127	CHIP CAP.	8pF	50V	CH	GRM1552C1H8R0BZ01D	K22178295		1-	B	c3
C 1128	CHIP CAP.	7pF	50V	CH	GRM1552C1H7R0BZ01D	K22178294		1-	B	c3
C 1129	CHIP CAP.	33pF	50V	CH	GRM1552C1H330JZ01D	K22178224		1-	B	e2
C 1130	CHIP CAP.	33pF	50V	CH	GRM1552C1H330JZ01D	K22178224		1-	B	c3
C 1131	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	F3
C 1132	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-21	A	I4
C 1132	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		22-	A	I4
C 1133	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	f2
C 1134	CHIP CAP.	33pF	50V	CH	GRM1552C1H330JZ01D	K22178224		1-	B	c3
C 1136	CHIP CAP.	2.2uF	10V	B	GRM21BB11A225KA01L	K22100804		1-	A	F5
C 1138	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-21	B	e2
C 1138	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		22-	B	e2
C 1139	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	e2
C 1140	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	j5
C 1141	CHIP CAP.	22pF	50V	CH	GRM1552C1H220JZ01D	K22178220		1-	B	c3
C 1143	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	G4
C 1144	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-21	A	I5
C 1144	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		22-	A	I5
C 1145	CHIP CAP.	0.022uF	16V	B	GRM155B11C223KA01D	K22128806		1-	A	F5
C 1146	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	c3
C 1147	CHIP CAP.	7pF	50V	CH	GRM1552C1H7R0DZ01D	K22178209		1-10	B	d3
C 1147	CHIP CAP.	4pF	50V	CH	GRM1552C1H4R0CZ01D	K22178206		11-	B	d3
C 1148	CHIP CAP.	3pF	50V	CJ	GRP1553C1H3R0CZ01E	K22178205		1-	B	e2
C 1149	CHIP CAP.	470pF	50V	B	GRM155B11H471KA01D	K22178805		1-	B	d3
C 1150	CHIP CAP.	10pF	50V	CH	GRM1552C1H100JZ01D	K22178212		1-	B	e3
C 1151	CHIP CAP.	0.022uF	50V	B	GRM216B11H223KA01D	K22170821		1-	A	F4
C 1152	CHIP CAP.	10pF	50V	CH	GRM1552C1H100JZ01D	K22178212		1-	B	e3
C 1153	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	H4
C 1154	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	e3
C 1155	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	d3
C 1156	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	d3
C 1157	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-21	B	e2
C 1157	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		22-	B	e2
C 1158	CHIP CAP.	100pF	50V	CH	GRM1552C1H101JD01D	K22178236		1-	A	H5
C 1159	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	e3
C 1160	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	H3
C 1163	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	e3
C 1164	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	H5
C 1165	CHIP CAP.	7pF	50V	CH	GRM1552C1H7R0DZ01D	K22178209		1-	A	H4
C 1166	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-21	B	e3
C 1166	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		22-	B	e3
C 1167	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	f3
C 1169	CHIP CAP.	1pF	50V	CK	GRM1554C1H1R0BZ01D	K22178287		1-	B	e3
C 1171	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	H4
C 1172	CHIP CAP.	1pF	50V	CK	GRM1554C1H1R0BZ01D	K22178287		1-	B	f3
C 1173	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	D4
C 1174	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	H4
C 1176	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-21	B	f3
C 1176	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		22-	B	f3
C 1177	CHIP CAP.	1pF	50V	CK	GRM1554C1H1R0CZ01D	K22178202		1-	A	H4
C 1178	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	f5
C 1179	CHIP CAP.	8pF	50V	CH	GRM1552C1H8R0DZ01D	K22178210		1-	A	H4
C 1180	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	f3
C 1181	CHIP CAP.	1.5pF	50V	CK	GRM1554C1H1R5BZ01D	K22178288		1-	B	e3
C 1182	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	d5
C 1184	CHIP CAP.	15pF	50V	CH	GRM1552C1H150JZ01D	K22178216		1-	B	f3
C 1186	CHIP TA.CAP.	10uF	10V		TEESVA1A106M8R	K78100028		1-	B	f3
C 1187	CHIP CAP.	15pF	50V	CH	GRM1552C1H150JZ01D	K22178216		1-	B	f3
C 1189	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	f3
C 1190	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	f3
C 1191	CHIP CAP.	27pF	50V	CH	GRM1552C1H270JZ01D	K22178222		1-	B	e3
C 1192	CHIP CAP.	39pF	50V	CH	GRM1552C1H390JZ01D	K22178226		1-	A	H5
C 1193	CHIP CAP.	10pF	50V	CH	GRM1552C1H100JZ01D	K22178212		1-	B	f3
C 1195	CHIP CAP.	18pF	50V	CH	GRM1552C1H180JZ01D	K22178218		1-	B	e3
C 1196	CHIP CAP.	0.0047uF	25V	B	GRM36B472K25PT	K22148830		1-21	A	D5
C 1196	CHIP CAP.	0.0047uF	50V	B	GRM155B11H472KA01D	K22178838		22-	A	D5
C 1197	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	F3
C 1198	CHIP CAP.	39pF	50V	CH	GRM1552C1H390JZ01D	K22178226		1-	A	I4
C 1199	CHIP CAP.	47pF	50V	CH	GRM1552C1H470JZ01D	K22178228		1-	B	e3
C 1200	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	D5
C 1201	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	G5
C 1202	CHIP TA.CAP.	10uF	10V		TEESVA1A106M8R	K78100028		1-	B	f3
C 1203	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	H5

MAIN Unit (25 W & 50 W: Lot. 1 ~ 32)

Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
C 1204	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	c4
C 1206	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	G5
C 1208	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	f3
C 1209	CHIP CAP.	15pF	50V	CH	GRM1552C1H150JZ01D	K22178216		1-2	B	f4
C 1209	CHIP CAP.	12pF	50V	CH	GRM1552C1H120JZ01D	K22178214		3-	B	f4
C 1210	CHIP TA.CAP.	2.2uF	6.3V		TEESVA0J225M8R	K78080009		1-	A	F4
C 1211	CHIP CAP.	82pF	50V	CH	GRM1552C1H820JD01D	K22178234		1-	B	f4
C 1212	CHIP CAP.	1uF	10V	B	ECJ1VB1A105K	K22104806		1-	A	G5
C 1214	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	H5
C 1215	CHIP CAP.	10pF	50V	CH	GRM1552C1H100JZ01D	K22178212		1-	B	e4
C 1216	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-21	B	b4
C 1216	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		22-	B	b4
C 1217	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	f3
C 1218	CHIP CAP.	4.7uF	6.3V	B	JMK212BJ475KG-T	K22080804		1-	A	E4
C 1220	CHIP CAP.	47pF	50V	CH	GRM1552C1H470JZ01D	K22178228		1-	B	e4
C 1221	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-21	A	E4
C 1221	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		22-	A	E4
C 1223	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-21	A	G5
C 1223	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		22-	A	G5
C 1224	CHIP CAP.	5pF	50V	CH	GRM1552C1H5R0CZ01D	K22178207		1-	A	H5
C 1225	CHIP CAP.	1uF	10V	B	GRM219B11A105KC01D	K22100803		1-	A	H5
C 1226	CHIP CAP.	33pF	50V	CH	GRM1552C1H330JZ01D	K22178224		1-	B	b4
C 1227	CHIP TA.CAP.	4.7uF	6.3V		TEESVA0J475M8R	K78080017		1-6	A	E3
C 1227	CHIP TA.CAP.	10uF	10V		TEESVA1A106M8R	K78100028		7-	A	E3
C 1229	CHIP CAP.	0.0022uF	50V	B	GRM155B11H222KA01D	K22178813		1-	A	G5
C 1230	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-21	B	b4
C 1230	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		22-	B	b4
C 1231	CHIP CAP.	0.047uF	10V	B	GRM155B11A473KA01D	K22108801		1-4	A	F4
C 1232	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	H5
C 1233	CHIP TA.CAP.	4.7uF	16V		TEESVA1C475M8R	K78120031		1-	A	E4
C 1234	CHIP CAP.	0.047uF	10V	B	GRM155B11A473KA01D	K22108801		1-	B	b4
C 1235	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-21	A	G5
C 1235	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		22-	A	G5
C 1236	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	E4
C 1237	CHIP CAP.	0.022uF	16V	B	GRM155B11C223KA01D	K22128806		1-	A	I5
C 1239	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-21	B	b4
C 1239	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		22-	B	b4
C 1240	CHIP CAP.	39pF	50V	CH	GRM1552C1H390JZ01D	K22178226		1-	B	b4
C 1241	CHIP CAP.	0.0047uF	25V	B	GRM36B472K25PT	K22148830		1-21	A	I5
C 1241	CHIP CAP.	0.0047uF	50V	B	GRM155B11H472KA01D	K22178838		22-	A	I5
C 1242	CHIP CAP.	0.0047uF	25V	B	GRM36B472K25PT	K22148830		1-4	A	H5
C 1242	CHIP CAP.	0.0022uF	50V	B	GRM155B11H222KA01D	K22178813		5-	A	H5
C 1243	CHIP CAP.	0.047uF	10V	B	GRM155B11A473KA01D	K22108801		1-4	B	e4
C 1244	CHIP CAP.	12pF	50V	CH	GRM1552C1H120JZ01D	K22178214		1-	B	e3
C 1245	CHIP CAP.	12pF	50V	CH	GRM1552C1H120JZ01D	K22178214		1-	B	d3
C 1246	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-21	B	b4
C 1246	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		22-	B	b4
C 1247	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-21	A	G5
C 1247	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		22-	A	G5
C 1248	CHIP CAP.	22pF	50V	CH	GRM1552C1H220JZ01D	K22178220		1-	B	b4
C 1249	CHIP CAP.	0.0047uF	25V	B	GRM36B472K25PT	K22148830		1-21	A	G5
C 1249	CHIP CAP.	0.0047uF	50V	B	GRM155B11H472KA01D	K22178838		22-	A	G5
C 1250	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	b4
C 1251	CHIP CAP.	82pF	50V	CH	GRM1552C1H820JD01D	K22178234		1-	B	b4
C 1252	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	b4
C 1253	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-21	B	e4
C 1253	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		22-	B	e4
C 1254	CHIP CAP.	27pF	50V	CH	GRM1552C1H270JZ01D	K22178222		1-	B	e3
C 1255	CHIP CAP.	22pF	50V	CH	GRM1552C1H220JZ01D	K22178220		1-	B	d3
C 1256	CHIP TA.CAP.	0.68uF	20V		TEESVA1D684M8R	K78130009		1-	B	d4
C 1257	CHIP CAP.	22pF	50V	CH	GRM1552C1H220JZ01D	K22178220		1-	B	e3
C 1258	CHIP CAP.	12pF	50V	CH	GRM1552C1H120JZ01D	K22178214		1-	B	d3
C 1259	CHIP CAP.	180pF	25V	CH	GRM1552C1E181JA01D	K22148201		1-21	A	I5
C 1259	CHIP CAP.	180pF	50V	CH	GRM1552C1H181JA01D	K22179711		22-	A	I5
C 1260	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	D3
C 1261	CHIP CAP.	0.0033uF	50V	B	GRM155B11H332KA01D	K22178815		1-	A	J5
C 1262	CHIP TA.CAP.	0.15uF	35V		TEESVA1V154M8R	K78160026		1-	B	d4
C 1263	CHIP CAP.	0.0047uF	25V	B	GRM36B472K25PT	K22148830		1-21	B	b4
C 1263	CHIP CAP.	0.0047uF	50V	B	GRM155B11H472KA01D	K22178838		22-	B	b4
C 1264	CHIP TA.CAP.	4.7uF	16V		TEESVA1C475M8R	K78120031		1-6	A	D3
C 1264	CHIP TA.CAP.	4.7uF	20V		TEESVA1D475M8R	K78130048		7-	A	D3
C 1265	CHIP TA.CAP.	10uF	10V		TEESVA1A106M8R	K78100028		1-	B	b5
C 1266	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	J5
C 1267	AL.ELECTRO.CAP.	100uF	25V		EEE1EA101UP	K48140018		1-30	B	h2

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
C 1267	AL.ELECTRO.CAP.	100uF	25V		UUR1E101MCL1GS	K48140020		31-	B	h2
C 1268	CHIP CAP.	470pF	50V	B	GRM155B11H471KA01D	K22178805		1-4	B	c4
C 1268	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		5-	B	c4
C 1269	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	e4
C 1270	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-21	B	b4
C 1270	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		22-	B	b4
C 1271	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	d4
C 1272	CHIP CAP.	4.7uF	6.3V	B	JMK212BJ475KG-T	K22080804		1-	A	F3
C 1273	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-21	B	j4
C 1273	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		22-	B	j4
C 1274	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	i4
C 1275	CHIP CAP.	100pF	50V	CH	GRM1552C1H101JD01D	K22178236		1-	A	I5
C 1276	CHIP CAP.	470pF	50V	B	GRM155B11H471KA01D	K22178805		1-4	B	b4
C 1276	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		5-	B	b4
C 1277	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	d4
C 1278	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	I4
C 1279	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	d4
C 1280	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	j4
C 1281	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-21	B	b4
C 1281	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		22-	B	b4
C 1282	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	F3
C 1283	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	e4
C 1284	CHIP CAP.	8pF	50V	CH	GRM1552C1H8R0DZ01D	K22178210		1-	A	B4
C 1286	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-21	B	i2
C 1286	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		22-	B	i2
C 1287	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	d3
C 1288	CHIP CAP.	8pF	50V	CH	GRM1552C1H8R0DZ01D	K22178210		1-	A	B4
C 1289	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-21	B	j4
C 1289	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		22-	B	j4
C 1290	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-21	A	D3
C 1290	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		22-	A	D3
C 1291	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-21	A	D3
C 1291	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		22-	A	D3
C 1292	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	I5
C 1293	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	a4
C 1294	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	D3
C 1295	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	j4
C 1296	CHIP CAP.	1uF	10V	B	ECJ1VB1A105K	K22104806		1-	A	I5
C 1297	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-21	B	i2
C 1297	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		22-	B	i2
C 1298	CHIP CAP.	4.7uF	6.3V	B	JMK212BJ475KG-T	K22080804		1-	A	D3
C 1299	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	i4
C 1300	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	d4
C 1301	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	b5
C 1302	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	d4
C 1303	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-21	B	j5
C 1303	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		22-	B	j5
C 1304	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	B5
C 1305	CHIP CAP.	470pF	50V	B	GRM155B11H471KA01D	K22178805		1-4	B	b5
C 1305	CHIP CAP.	820pF	50V	B	GRM155B11H821KA01D	K22178808		5-	B	b5
C 1306	CHIP CAP.	0.0047uF	25V	B	GRM36B472K25PT	K22148830		1-21	A	I5
C 1306	CHIP CAP.	0.0047uF	50V	B	GRM155B11H472KA01D	K22178838		22-	A	I5
C 1307	CHIP TA.CAP.	10uF	10V		TEESVA1A106M8R	K78100028		1-	B	d4
C 1308	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	d4
C 1309	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-21	B	j5
C 1309	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		22-	B	j5
C 1310	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	d4
C 1311	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	B5
C 1312	CHIP CAP.	470pF	50V	B	GRM155B11H471KA01D	K22178805		1-4	B	b5
C 1312	CHIP CAP.	820pF	50V	B	GRM155B11H821KA01D	K22178808		5-	B	b5
C 1313	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-21	B	j2
C 1313	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		22-	B	j2
C 1314	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-21	A	J4
C 1314	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		22-	A	J4
C 1315	CHIP CAP.	0.047uF	10V	B	GRM155B11A473KA01D	K22108801		1-	B	d4
C 1316	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	a4
C 1317	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-21	B	j2
C 1317	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		22-	B	j2
C 1319	CHIP TA.CAP.	4.7uF	16V		TEESVA1C475M8R	K78120031		1-	B	c5
C 1321	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	b5
C 1323	CHIP CAP.	100pF	50V	CH	GRM1552C1H101JD01D	K22178236		1-	B	i2
C 1324	CHIP CAP.	0.0015uF	50V	B	GRM155B11H152KA01D	K22178811		1-	B	b5
C 1326	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-21	B	b5
C 1326	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		22-	B	b5

MAIN Unit (25 W & 50 W: Lot. 1 ~ 32)

Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
C 1327	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802	VTX(USA)	9-	B	f5
C 1328	CHIP CAP.	22pF	50V	CH	GRM1552C1H220JZ01D	K22178220	VTX(USA)	9-	B	f5
C 1329	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-21	B	b5
C 1329	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		22-	B	b5
C 1330	CHIP CAP.	100pF	50V	CH	GRM1552C1H101JD01D	K22178236		1-	A	B2
C 1331	CHIP CAP.	100pF	50V	CH	GRM1552C1H101JD01D	K22178236		1-	B	i1
C 1333	CHIP CAP.	22pF	50V	CH	GRM1552C1H220JZ01D	K22178220	VTX(USA)	9-	B	g5
C 1335	CHIP CAP.	100pF	50V	CH	GRM1552C1H101JD01D	K22178236		1-	B	j1
C 1337	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	C3
C 1341	CHIP CAP.	0.022uF	16V	B	GRM155B11C223KA01D	K22128806		1-	A	G5
C 1342	CHIP CAP.	4.7uF	6.3V	B	JMK212BJ475KG-T	K22080804		1-	A	C5
C 1343	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804	VTX(USA)	9-21	B	f4
C 1343	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834	VTX(USA)	22-	B	f4
C 1344	CHIP CAP.	0.022uF	16V	B	GRM155B11C223KA01D	K22128806	VTX(USA)	9-	B	f5
C 1345	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		1-21	A	B4
C 1345	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		22-	A	B4
C 1350	CHIP CAP.	100pF	50V	CH	GRM1882C1H101JA01D	K22174235		1-4	A	A5
C 1350	CHIP CAP.	100pF	50V	CH	GRM1552C1H101JD01D	K22178236		5-	A	A5
C 1351	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		5-	A	G5
C 1352	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		5-	A	G5
C 1353	CHIP CAP.	4.7uF	6.3V	B	JMK212BJ475KG-T	K22080804		5-	B	d5
C 1354	CHIP CAP.	0.01uF	16V	B	GRM36B103K16PT	K22128804		5-21	B	d5
C 1354	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		22-	B	d5
C 1355	CHIP TA.CAP.	0.1uF	35V		TEESVA1V104M8R	K78160025		5-	A	F4
C 1356	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		5-	A	H5
C 1357	CHIP TA.CAP.	3.3uF	6.3V		TEESVA0J335M8R	K78080021	CE:ON	9-	A	J2
C 1358	CHIP CAP.	3.3pF	500V	CH	1206N3R3C501LT	K22278203	CE:ON	9-16		
C 1359	CHIP CAP.	47pF	50V	CH	GRM1882C1H470JA01D	K22174227	CE:ON	9-	B	e2
CD1001	CERAMIC DISC				JTBC450C7	H7901500		1-	B	b5
CF1001	CERAMIC FILTER				LTM450EW	H3900574		1-90	A	J4
CF1001	CERAMIC FILTER				LTM450EW-A	H3900574A		91-	A	J4
CF1002	CERAMIC FILTER				LTM450GW	H3900573		1-90	A	J4
CF1002	CERAMIC FILTER				LTM450GW-A	H3900573A		91-	A	J4
D 1001	DIODE				RLS135 TE-11	G2070128		1-	B	b2
D 1002	SURGE ABSORBER				P6KE27-MT25	Q9000854		1-	A	C1
D 1003	DIODE				1SV323(TPH3.F)	G2071006		1-	B	a3
D 1004	DIODE				1SV323(TPH3.F)	G2071006		1-	B	a3
D 1005	DIODE				1SV323(TPH3.F)	G2071006		1-	B	a3
D 1006	DIODE				1SV323(TPH3.F)	G2071006		1-	B	a3
D 1007	DIODE				HSM88AS TR-E	G2070170		1-	A	H2
D 1008	DIODE				HSM88AS TR-E	G2070170		1-	A	I2
D 1009	DIODE				MA2S111-(TX)	G2070614		1-	B	b3
D 1011	DIODE				MA2S111-(TX)	G2070614		1-	A	J2
D 1012	DIODE				MA2S111-(TX)	G2070614		1-	A	F3
D 1013	DIODE				MAZ816000L	G2071120		1-31	A	B5
D 1013	DIODE				UDZS TE-17 6.8B	G2070888		32-	A	B5
D 1014	DIODE				UDZS TE-17 6.8B	G2070888		1-	A	B5
D 1015	DIODE				MAZ816000L	G2071120		1-	A	A5
D 1016	DIODE				MA2S111-(TX)	G2070614		1-	A	J2
D 1017	DIODE				UDZS TE-17 6.8B	G2070888		1-	A	B5
D 1018	DIODE				MA2S111-(TX)	G2070614		1-	A	J2
D 1019	DIODE				MA2S111-(TX)	G2070614		1-	B	i5
D 1020	DIODE				DAN222 TL	G2070174		1-	B	e2
D 1021	DIODE				MC2850-T111-1	G2070704		1-22	B	i4
D 1021	DIODE				DAN217U T106	G2071236		23-	B	i4
D 1022	DIODE				MA2S111-(TX)	G2070614		1-	B	i5
D 1023	DIODE				HVC383B TRF-E	G2070922		1-	B	e3
D 1024	DIODE				MA2S111-(TX)	G2070614		1-	B	f3
D 1025	DIODE				1SV325(TPH3.F)	G2070848		1-	B	f4
D 1026	DIODE				HVC376B TRF-E	G2071122		1-	B	e4
D 1027	DIODE				MC2850-T111-1	G2070704		1-22	B	c4
D 1027	DIODE				DAN217U T106	G2071236		23-	B	c4
D 1028	DIODE				1SV325(TPH3.F)	G2070848		1-	B	f4
D 1029	DIODE				1SV325(TPH3.F)	G2070848		1-	B	f4
D 1030	DIODE				1SV325(TPH3.F)	G2070848		1-	B	e4
D 1031	DIODE				1SV325(TPH3.F)	G2070848		1-	B	f4
D 1032	DIODE				1SV325(TPH3.F)	G2070848		1-	B	f4
D 1033	DIODE				HSC277TRF-E	G2070584		1-	B	e3
D 1034	DIODE				HSC277TRF-E	G2070584		1-	B	e3
D 1035	DIODE				DAN222 TL	G2070174		1-	B	a4
D 1036	DIODE				MA2S111-(TX)	G2070614		1-	A	D3
D 1037	DIODE				HSC277TRF-E	G2070584		1-	B	e3
D 1038	DIODE				HSC277TRF-E	G2070584		1-	B	e3
D 1039	DIODE				DAN222 TL	G2070174		1-	B	a4

Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
D 1041	DIODE				MC2850-T111-1	G2070704		1-22	B	j4
D 1041	DIODE				DAN217U T106	G2071236		23-	B	j4
D 1042	DIODE				MC2850-T111-1	G2070704		1-22	A	J5
D 1042	DIODE				DAN217U T106	G2071236		23-	A	J5
D 1043	DIODE				MA2S111-(TX)	G2070614		1-	B	i4
D 1044	DIODE				MA2S111-(TX)	G2070614		1-	B	j5
D 1045	DIODE				MA2S111-(TX)	G2070614		1-	B	d4
D 1046	DIODE				MC2850-T111-1	G2070704		1-22	B	i1
D 1046	DIODE				DAN217U T106	G2071236		23-	B	i1
D 1047	DIODE				MC2850-T111-1	G2070704		1-22	B	b5
D 1047	DIODE				DAN217U T106	G2071236		23-	B	b5
D 1048	DIODE				MC2850-T111-1	G2070704		1-22	B	b5
D 1048	DIODE				DAN217U T106	G2071236		23-	B	b5
D 1049	DIODE				MAZ816000L	G2071120		1-	B	j1
D 1050	DIODE				MAZ816000L	G2071120		1-	A	A1
D 1051	DIODE				MAZ816000L	G2071120		1-	A	B1
D 1052	DIODE				MAZ816000L	G2071120		1-	A	B1
D 1053	DIODE				MC2850-T111-1	G2070704		1-22	B	i1
D 1053	DIODE				DAN217U T106	G2071236		23-	B	i1
D 1054	DIODE				MC2850-T111-1	G2070704		1-22	B	j1
D 1054	DIODE				DAN217U T106	G2071236		23-	B	j1
D 1055	DIODE				MAZ816000L	G2071120		1-	A	B1
D 1056	DIODE				MAZ816000L	G2071120		1-	B	j1
D 1057	DIODE				MAZ816000L	G2071120		1-	A	A1
D 1058	DIODE				MAZ816000L	G2071120		1-	A	B2
D 1059	DIODE				MAZ816000L	G2071120		1-	A	B1
D 1060	DIODE				MC2850-T111-1	G2070704		1-22	A	E4
D 1060	DIODE				DAN217U T106	G2071236		23-	A	E4
D 1061	DIODE				MC2850-T111-1	G2070704		1-22	A	F3
D 1061	DIODE				DAN217U T106	G2071236		23-	A	F3
D 1062	DIODE				MA2S111-(TX)	G2070614	VTX(USA)	9-	B	f4
D 1063	DIODE				UDZS TE-17 6.8B	G2070888		9-	B	h3
D 1064	DIODE				UDZS TE-17 6.8B	G2070888		9-	B	j2
F 1001	CHIP FUSE	0.25A			0434.250 0.25A	Q0000106		1-15	A	B2
F 1001	CHIP FUSE	1.25A			FCC16 132ABTP	Q0000109		16-	A	B2
J 1003	CONNECTOR				18FLT-SM2-TB(LF)(SN)(M)	P1091176		1-	A	C5
J 1004	CONNECTOR				657PCB-HIL	P1091290		1-18	B	j6
J 1004	CONNECTOR				657PCB-HIL(N)	P1091290A		19-	B	j6
J 1005	CONNECTOR				AXK6S40535P	P0091209		1-	A	D4
J 1006	CONNECTOR				AE0195-00E	P1091177		1-	B	j1
JP1001	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		1-	A	B1
JP1002	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		1-	A	A1
JP1003	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		1-	A	B1
JP1004	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		1-	A	B1
JP1005	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		1-	A	A1
JP1006	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		1-	A	B1
L 1001	COIL	0.056uH			AS050635-56N	L0022813		1-	B	b2
L 1002	COIL	0.047uH			AS030821-47NJ	L0022824		1-	B	b2
L 1003	COIL	0.033uH			AS1005-33NK	L0022546		1-	B	a2
L 1004	COIL	0.033uH			AS1005-33NK	L0022546		1-	B	b2
L 1005	COIL	0.033uH			AS1005-33NK	L0022546		1-	B	b2
L 1006	CHIP COIL	0.068uH			LQW2BHN68NJ03L	L1690605		1-	B	a3
L 1007	COIL	0.033uH			AS1005-33NK	L0022546		1-	B	b2
L 1008	COIL	0.212uH			AS051047-212N	L0022834		1-	A	G2
L 1009	CHIP COIL	0.068uH			LQW2BHN68NJ03L	L1690605		1-	B	a3
L 1010	M.RFC	0.22uH			HK1608 R22J-T	L1690940		1-	B	b3
L 1011	CHIP COIL	0.082uH			LQW2BHN82NJ03L	L1690619		1-	B	b3
L 1012	M.RFC	0.22uH			HK1608 R22J-T	L1690940		1-	B	f2
L 1013	CHIP COIL	0.082uH			LQW2BHN82NJ03L	L1690619		1-	B	c3
L 1014	CHIP COIL	0.082uH			LQW2BHN82NJ03L	L1690619		1-	B	c3
L 1015	CHIP COIL	0.082uH			LQW2BHN82NJ03L	L1690619		1-	B	c3
L 1016	M.RFC	0.22uH			HK1608 R22J-T	L1690940		1-	B	e2
L 1017	M.RFC	0.082uH			HK1608 82NJ-T	L1690527		1-18	B	e2
L 1017	M.RFC	0.22uH			HK1608 R22J-T	L1690940		19-	B	e2
L 1018	M.RFC	0.082uH			HK1608 82NJ-T	L1690527		1-18	B	c3
L 1018	M.RFC	0.12uH			HK1608 R12J-T	L1690937		19-	B	c3
L 1019	M.RFC	0.082uH			HK1608 82NJ-T	L1690527		1-	B	d3
L 1020	M.RFC	0.047uH			HK1608 47NJ-T	L1690524		1-	B	e3
L 1021	M.RFC	1uH			LK1608 1R0K-T	L1690687		1-	B	e2
L 1022	M.RFC	0.82uH			LK1608 R82K-T	L1690417		1-	A	H4
L 1023	M.RFC	0.22uH			HK1608 R22J-T	L1690940		1-	B	e3
L 1024	M.RFC	1uH			LK1608 1R0K-T	L1690687		1-	B	e3
L 1025	M.RFC	0.39uH		2%	C1608CB-R39G-RF	L1691107		1-	B	f3
L 1026	M.RFC	0.39uH		2%	C1608CB-R39G-RF	L1691107		1-	B	f3

MAIN Unit (25 W & 50 W: Lot. 1 ~ 32)

Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
L 1027	CHIP COIL	0.047uH		2%	C2520C-47NG-RA	L1691290		1-	B	f4
L 1028	CHIP COIL	0.033uH		2%	C2520C-33NG-RA	L1691288		1-	B	e4
L 1029	M.RFC	0.39uH			LK1608 R39K-T	L1690413		1-	B	e4
L 1030	M.RFC	1uH			LK1608 1R0K-T	L1690687		1-	B	c4
L 1031	M.RFC	0.22uH			HK1608 R22J-T	L1690940		1-	B	f3
L 1032	M.RFC	0.22uH			HK1608 R22J-T	L1690940		1-	B	f4
L 1033	M.RFC	0.22uH			HK1608 R22J-T	L1690940		1-	B	f4
L 1034	M.RFC	0.22uH			HK1608 R22J-T	L1690940		1-	B	f4
L 1035	M.RFC	0.15uH			HK1608 R15J-T	L1690938		1-	B	b4
L 1036	M.RFC	0.056uH			HK1608 56NJ-T	L1690525		1-	B	e3
L 1037	M.RFC	0.047uH			HK1608 47NJ-T	L1690524		1-	B	e3
L 1038	M.RFC	0.056uH			HK1608 56NJ-T	L1690525		1-	B	e3
L 1039	M.RFC	0.047uH			HK1608 47NJ-T	L1690524		1-	B	e3
L 1040	CHIP COIL	10uH			LQH32MN100K23L	L1690087		1-	A	B3
L 1041	CHIP COIL	100uH			LQH32MN101K23L	L1690099	VTX(USA)	9-	B	f5
Q 1001	TRANSISTOR				RT1N441U-T11-1	G3070247		1-22	B	i3
Q 1001	TRANSISTOR				DTC144EE TL	G3070075		23-	B	i3
Q 1002	TRANSISTOR				RT1N441U-T11-1	G3070247		1-22	B	i3
Q 1002	TRANSISTOR				DTC144EE TL	G3070075		23-	B	i3
Q 1003	IC				TDA1519CTH	G1093778		1-	B	j3
Q 1004	IC				SN74LV4053APWR	G1093870		1-	A	D5
Q 1005	IC				SN74LV4053APWR	G1093870		1-	A	F4
Q 1006	IC				UA78M08CKTPR	G1094157		1-4	A	C3
Q 1006	IC				NJM7808DL1A-TE1	G1093802		5-	A	C3
Q 1007	TRANSISTOR				2SC3356-T2B R24	G3333567D		1-14	B	b3
Q 1007	TRANSISTOR				2SC3356-T1B R24	G3333568D		15-	B	b3
Q 1008	FET				MTM231230L	G3070357		1-	A	C2
Q 1009	IC				S-AV32(VX)	G1093916		1-8	A	D1
Q 1009	IC				S-AV33A(VX.Q)	G1094415	25W	9-	A	D1
Q 1009	IC				S-AV32(VX)	G1093916	50W	9-	A	D1
Q 1010	TRANSISTOR				RT1N140U(TAPE)	G3070359		1-24	B	h2
Q 1010	TRANSISTOR				DTC144EE TL	G3070075		25-	B	h2
Q 1011	FET				MTM231230L	G3070357		1-	A	F3
Q 1012	FET				MTM231230L	G3070357		1-	A	F3
Q 1013	TRANSISTOR				UMG2N TR	G3070088		1-	A	F3
Q 1014	IC				M62364FP 600D	G1093033		1-	A	F5
Q 1015	TRANSISTOR				2SC3357-T2 RF	G3333577F		1-14	B	f2
Q 1015	TRANSISTOR				2SC3357-T1 RF	G3333578F		15-	B	f2
Q 1016	TRANSISTOR				RT1N441U-T11-1	G3070247		1-22	A	G3
Q 1016	TRANSISTOR				DTC144EE TL	G3070075		23-	A	G3
Q 1017	TRANSISTOR				RT1N441U-T11-1	G3070247		1-22	A	J2
Q 1017	TRANSISTOR				DTC144EE TL	G3070075		23-	A	J2
Q 1018	TRANSISTOR				2SC4617 TL R	G3346178R		1-	B	j5
Q 1019	TRANSISTOR				2SC4617 TL R	G3346178R		1-	B	i5
Q 1020	TRANSISTOR				2SC4617 TL R	G3346178R		1-	B	i5
Q 1021	TRANSISTOR				RT1N441U-T11-1	G3070247		1-22	B	i5
Q 1021	TRANSISTOR				DTC144EE TL	G3070075		23-	B	i5
Q 1022	TRANSISTOR				DTA124EE TL	G3070116		1-	B	i5
Q 1023	TRANSISTOR				2SC5226-4-TL	G3352268D		1-	B	e2
Q 1024	TRANSISTOR				2SC5226-4-TL	G3352268D		1-	B	e2
Q 1025	FET				3SK293(TE85L,F)	G4802938		1-	A	H3
Q 1026	TRANSISTOR				RT1N441U-T11-1	G3070247		1-22	A	F5
Q 1026	TRANSISTOR				DTC144EE TL	G3070075		23-	A	F5
Q 1027	TRANSISTOR				2SC5226-4-TL	G3352268D		1-	B	e3
Q 1028	TRANSISTOR				RT1N441U-T11-1	G3070247		1-6	B	f3
Q 1028	TRANSISTOR				DTC143EE TL	G3070114		7-	B	f3
Q 1029	FET				2SK508-T2B K52 A	G3805087B		1-14	B	f3
Q 1029	FET				2SK508-T1B-A K52	G3805088B		15-	B	f3
Q 1030	TRANSISTOR				RT1N140U(TAPE)	G3070359		1-6	B	f3
Q 1030	TRANSISTOR				DTC143EE TL	G3070114		7-	B	f3
Q 1031	TRANSISTOR				2SC3356-T2B R24	G3333567D		1-14	B	e3
Q 1031	TRANSISTOR				2SC3356-T1B R24	G3333568D		15-	B	e3
Q 1032	TRANSISTOR				2SC4617 TL R	G3346178R		1-	B	f3
Q 1033	TRANSISTOR				2SC5226-4-TL	G3352268D		1-	B	c4
Q 1034	IC				BH2220FVM-TR	G1094269		1-	A	G3
Q 1035	IC				TAR5S35(TE85L.F)	G1093939		1-	A	E4
Q 1036	IC				NJM2591V-TE1	G1094024		1-	B	b4
Q 1037	FET				2SK880GR(TE85R.F)	G3808807G		1-	B	d4
Q 1038	TRANSISTOR				XN1501-(TX)	G3070149		1-	A	F3
Q 1039	TRANSISTOR				2SB1201S-TL	G3070195		1-	A	E3
Q 1040	IC				LM2902PWR	G1094009		1-4	A	H5
Q 1040	IC				NJM12902V-TE1	G1093592		5-	A	H5
Q 1041	TRANSISTOR				RT1N441U-T11-1	G3070247		1-22	A	J5
Q 1041	TRANSISTOR				DTC144EE TL	G3070075		23-	A	J5

Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
Q 1042	IC				LM2902PWR	G1094009		1-4	A	G5
Q 1042	IC				NJM12902V-TE1	G1093592		5-	A	G5
Q 1043	IC				LM2902PWR	G1094009		1-4	A	E5
Q 1043	IC				NJM12902V-TE1	G1093592		5-	A	E5
Q 1044	IC				SN74LV4066APWR	G1093871		1-	B	e5
Q 1045	IC				LM2902PWR	G1094009		1-4	A	I5
Q 1045	IC				NJM12902V-TE1	G1093592		5-6	A	I5
Q 1045	IC				LM2902PWR	G1094009		7-8	A	I5
Q 1045	IC				NJM12902V-TE1	G1093592		9-	A	I5
Q 1046	IC				LM2902PWR	G1094009		1-4	A	D5
Q 1046	IC				NJM12902V-TE1	G1093592		5-	A	D5
Q 1047	IC				LM2902PWR	G1094009		1-4	B	c5
Q 1047	IC				NJM12902V-TE1	G1093592		5-	B	c5
Q 1048	IC				LM2902PWR	G1094009		1-4	A	J2
Q 1048	IC				NJM12902V-TE1	G1093592		5-	A	J2
Q 1049	IC				LM2902PWR	G1094009		1-4	A	I5
Q 1049	IC				NJM12902V-TE1	G1093592		5-	A	I5
Q 1050	FET				2SK397300L	G3839738		1-	A	B2
Q 1051	IC				S-80835CNMC-B8U-T2-G	G1093606		1-	B	j4
Q 1052	IC				TAR5S50(TE85L.F)	G1093914		1-	A	D3
Q 1053	TRANSISTOR				RT1N441U-T11-1	G3070247		1-22	A	B2
Q 1053	TRANSISTOR				DTC144EE TL	G3070075		23-	A	B2
Q 1054	IC				ADF4111BRUZ-RL7	G1094342		1-	B	d4
Q 1055	FET				2SK397300L	G3839738		1-	A	B1
Q 1056	TRANSISTOR				2SC4617 TL R	G3346178R		1-	B	j4
Q 1057	TRANSISTOR				RT1N441U-T11-1	G3070247		1-22	A	B2
Q 1057	TRANSISTOR				DTC144EE TL	G3070075		23-	A	B2
Q 1058	TRANSISTOR				RT1N140U(TAPE)	G3070359		1-25	A	B3
Q 1058	TRANSISTOR				DTC114TE TL	G3070225		26-	A	B3
Q 1059	TRANSISTOR				RT1N441U-T11-1	G3070247		1-22	B	a4
Q 1059	TRANSISTOR				DTC144EE TL	G3070075		23-	B	a4
Q 1060	FET				2SK397300L	G3839738		1-	A	A1
Q 1061	IC				BR93L66RFVM-WTR	G1093874		1-	A	B4
Q 1062	TRANSISTOR				RT1N441U-T11-1	G3070247		1-22	A	A2
Q 1062	TRANSISTOR				DTC144EE TL	G3070075		23-	A	A2
Q 1063	FET				2SK397300L	G3839738		1-	A	A2
Q 1064	TRANSISTOR				RT1N441U-T11-1	G3070247		1-22	A	B2
Q 1064	TRANSISTOR				DTC144EE TL	G3070075		23-	A	B2
Q 1065	IC				LC87F5CC8A-F57T0-E	※		1-	A	B4
Q 1066	TRANSISTOR				RT1N441U-T11-1	G3070247		1-22	B	i1
Q 1066	TRANSISTOR				DTC144EE TL	G3070075		23-	B	i1
Q 1067	TRANSISTOR				RT1N441U-T11-1	G3070247		1-22	A	I4
Q 1067	TRANSISTOR				DTC144EE TL	G3070075		23-	A	I4
Q 1068	IC				LC73881M-TLM-E	G1092755	VTX(USA)	9-	B	g5
Q 1069	TRANSISTOR				RT1N441U-T11-1	G3070247	VTX(USA)	9-22	B	g5
Q 1069	TRANSISTOR				DTC144EE TL	G3070075	VTX(USA)	23-	B	g5
Q 1070	FET				2SK397300L	G3839738		1-	A	B2
Q 1072	TRANSISTOR				DTA124EE TL	G3070116		9-	A	J5
Q 1073	TRANSISTOR				RT1N441U-T11-1	G3070247		9-22	B	g5
Q 1073	TRANSISTOR				DTC144EE TL	G3070075		23-	B	g5
R 1001	CHIP RES.	12k	1/16W	5%	RMC1/16S 123JTH	J24189038		1-	B	i3
R 1002	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-2	A	C4
R 1002	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		3-	A	C4
R 1003	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	i3
R 1004	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-	A	G2
R 1005	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-2	A	C5
R 1005	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		3-	A	C5
R 1006	CHIP RES.	470k	1/16W	5%	RMC1/16S 474JTH	J24189057		1-	A	C5
R 1007	CHIP RES.	100	1W	5%	RMC1 101JTE	J24305101		1-	A	G3
R 1008	CHIP RES.	470k	1/16W	5%	RMC1/16S 474JTH	J24189057		1-	A	C4
R 1009	CHIP RES.	470k	1/16W	5%	RMC1/16S 474JTH	J24189057		1-2	A	C4
R 1009	CHIP RES.	270k	1/16W	5%	RMC1/16S 274JTH	J24189054		3-	A	C4
R 1010	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	B	a3
R 1011	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	A	I2
R 1012	CHIP RES.	100	1/4W	5%	RMC1/4 101JATP	J24245101		1-	A	H2
R 1013	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	C5
R 1014	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-	A	C4
R 1015	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	i3
R 1016	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	A	H2
R 1017	CHIP RES.	27k	1/16W	5%	RMC1/16S 273JTH	J24189042		1-	B	i3
R 1018	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	B	a3
R 1019	CHIP RES.	560	1/16W	5%	RMC1/16S 561JTH	J24189022		1-	A	B2
R 1021	CHIP RES.	100	1/4W	5%	RMC1/4 101JATP	J24245101		1-	A	H2
R 1022	CHIP RES.	270k	1/16W	5%	RMC1/16S 274JTH	J24189054		1-	A	D5

※: Please contact Vertex Standard

MAIN Unit (25 W & 50 W: Lot. 1 ~ 32)

Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
R 1023	CHIP RES.	120k	1/16W	5%	RMC1/16S 124JTH	J24189050		1-	A	E5
R 1024	CHIP RES.	3.3k	1/16W	5%	RMC1/16S 332JTH	J24189031		1-	A	H3
R 1025	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	E5
R 1026	CHIP RES.	3.3k	1/16W	5%	RMC1/16S 332JTH	J24189031		1-8	A	I2
R 1026	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025	25W	9-	A	I2
R 1026	CHIP RES.	3.3k	1/16W	5%	RMC1/16S 332JTH	J24189031	50W	9-	A	I2
R 1027	CHIP RES.	3.3k	1/16W	5%	RMC1/16S 332JTH	J24189031		1-	A	H3
R 1027	CHIP RES.	2.7k	1/16W	5%	RMC1/16S 272JTH	J24189030		3-8	A	H3
R 1027	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037	25W	9-16	A	H3
R 1027	CHIP RES.	8.2k	1/16W	5%	RMC1/16S 822JTH	J24189036	25W	17-	A	H3
R 1027	CHIP RES.	2.7k	1/16W	5%	RMC1/16S 272JTH	J24189030	50W	9-	A	H3
R 1028	CHIP RES.	3.3k	1/16W	5%	RMC1/16S 332JTH	J24189031		1-4	A	I2
R 1028	CHIP RES.	2.7k	1/16W	5%	RMC1/16S 272JTH	J24189030		5-8	A	I2
R 1028	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037	25W	9-	A	I2
R 1028	CHIP RES.	2.7k	1/16W	5%	RMC1/16S 272JTH	J24189030	50W	9-	A	I2
R 1029	CHIP RES.	220k	1/16W	5%	RMC1/16S 224JTH	J24189053		1-8	A	I2
R 1029	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049	25W	9-	A	I2
R 1029	CHIP RES.	220k	1/16W	5%	RMC1/16S 224JTH	J24189053	50W	9-	A	I2
R 1030	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	A	J2
R 1031	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-	B	b3
R 1032	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	b3
R 1033	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-8	B	b3
R 1033	CHIP RES.	3.3k	1/16W	5%	RMC1/16S 332JTH	J24189031	CE:ON	9-	B	b3
R 1033	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033	CE:OFF	9-	B	b3
R 1034	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		1-	A	D5
R 1035	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	K2
R 1036	CHIP RES.	15k	1/16W	5%	RMC1/16S 153JTH	J24189039		1-2	A	E5
R 1036	CHIP RES.	8.2k	1/16W	5%	RMC1/16S 822JTH	J24189036		3-	A	E5
R 1037	CHIP RES.	220k	1/16W	5%	RMC1/16S 224JTH	J24189053		1-	A	G5
R 1038	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	A	G5
R 1039	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-8	B	b3
R 1039	CHIP RES.	47	1/16W	5%	RMC1/16S 470JTH	J24189009	CE:ON	9-	B	b3
R 1039	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013	CE:OFF	9-	B	b3
R 1041	CHIP RES.	150k	1/16W	5%	RMC1/16S 154JTH	J24189051		1-6	A	J2
R 1041	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		7-	A	J2
R 1042	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	B	h2
R 1043	CHIP RES.	5.6k	1/16W	5%	RMC1/16S 562JTH	J24189034		1-	A	E5
R 1044	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	G4
R 1045	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	h2
R 1047	CHIP RES.	47	1/16W	5%	RMC1/16S 470JTH	J24189009		1-	B	b3
R 1048	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	G5
R 1049	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	A	F3
R 1050	CHIP RES.	330	1/16W	5%	RMC1/16S 331JTH	J24189019		1-	B	f2
R 1051	CHIP RES.	39k	1/16W	5%	RMC1/16S 393JTH	J24189044		1-	A	G5
R 1052	CHIP RES.	560k	1/16W	5%	RMC1/16S 564JTH	J24189058		1-2	A	E5
R 1052	CHIP RES.	180k	1/16W	5%	RMC1/16S 184JTH	J24189052		3-4	A	E5
R 1052	CHIP RES.	220k	1/16W	5%	RMC1/16S 224JTH	J24189053		5-	A	E5
R 1053	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		1-31	A	B5
R 1053	CHIP RES.	100	1/16W	5%	RMC1/16 101JATP	J24185101		32-	A	B5
R 1054	CHIP RES.	18	1/16W	5%	RMC1/16S 180JTH	J24189004		1-4	B	f2
R 1054	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		5-6	B	f2
R 1054	CHIP RES.	33	1/16W	5%	RMC1/16S 330JTH	J24189007		7-8	B	f2
R 1054	CHIP RES.	33	1/16W	5%	RMC1/16S 330JTH	J24189007	25W/CE:OFF	14-21	B	f2
R 1054	CHIP RES.	15	1/16W	5%	RMC1/16S 150JTH	J24189003	25W/CE:OFF	22-	B	f2
R 1054	CHIP RES.	56	1/16W	5%	RMC1/16S 560JTH	J24189010	25W/CE:ON	14-21	B	f2
R 1054	CHIP RES.	15	1/16W	5%	RMC1/16S 150JTH	J24189003	25W/CE:ON	22-	B	f2
R 1054	CHIP RES.	12	1/16W	5%	RMC1/16S 120JTH	J24189002	50W	14-	B	f2
R 1054	CHIP RES.	56	1/16W	5%	RMC1/16S 560JTH	J24189010	CE:ON	9-13	B	f2
R 1054	CHIP RES.	33	1/16W	5%	RMC1/16S 330JTH	J24189007	CE:OFF	9-13	B	f2
R 1057	CHIP RES.	1M	1/16W	5%	RMC1/16S 105JTH	J24189061		1-	A	G4
R 1058	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-8	A	J2
R 1058	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045	25W	9-	A	J2
R 1058	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049	50W	9-	A	J2
R 1059	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	F3
R 1060	CHIP RES.	330	1/16W	5%	RMC1/16S 331JTH	J24189019		1-	B	f2
R 1061	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	A	K2
R 1063	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	E5
R 1065	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	J2
R 1066	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	A	F5
R 1067	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	H5
R 1068	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	J2
R 1069	CHIP RES.	56k	1/16W	5%	RMC1/16S 563JTH	J24189046		1-	A	K2
R 1070	CHIP RES.	39k	1/16W	5%	RMC1/16S 393JTH	J24189044		1-	A	G4
R 1071	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	B5

Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
R 1072	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	F3
R 1073	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	G5
R 1074	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	F3
R 1075	CHIP RES.	27k	1/16W	5%	RMC1/16S 273JTH	J24189042		1-	A	I5
R 1076	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	B5
R 1077	CHIP RES.	68	1/4W	5%	RMC1/4 680JATP	J24245680		1-	B	f2
R 1078	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	A	G5
R 1079	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	B5
R 1080	CHIP RES.	5.6k	1/16W	5%	RMC1/16S 562JTH	J24189034		1-	A	I4
R 1081	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	f2
R 1082	CHIP RES.	2.2M	1/16W	5%	RMC1/16S 225JTH	J24189065	25W	9-	A	J2
R 1083	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		1-	A	F3
R 1084	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	i5
R 1085	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	A	I5
R 1086	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	A	F5
R 1087	CHIP RES.	8.2k	1/16W	5%	RMC1/16S 822JTH	J24189036		1-	A	I5
R 1088	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	J2
R 1089	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	H4
R 1090	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	H4
R 1091	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	F3
R 1092	CHIP RES.	150	1/16W	5%	RMC1/16S 151JTH	J24189015		1-	B	e2
R 1093	CHIP RES.	470	1/16W	5%	RMC1/16S 471JTH	J24189021		1-	B	f2
R 1094	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-2	A	F4
R 1094	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		3-	A	F4
R 1095	CHIP RES.	33k	1/16W	5%	RMC1/16S 333JTH	J24189043		1-	A	E5
R 1096	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	E5
R 1097	CHIP RES.	18k	1/16W	5%	RMC1/16S 183JTH	J24189040		1-	B	j5
R 1098	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	i5
R 1099	CHIP RES.	470	1/16W	5%	RMC1/16S 471JTH	J24189021		1-	B	e2
R 1101	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	i5
R 1102	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	B	c3
R 1103	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	A	I5
R 1104	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	J3
R 1106	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	i5
R 1108	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	A	F5
R 1109	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	i5
R 1110	CHIP RES.	39k	1/16W	5%	RMC1/16S 393JTH	J24189044		1-4	A	E5
R 1110	CHIP RES.	27k	1/16W	5%	RMC1/16S 273JTH	J24189042		5-	A	E5
R 1112	CHIP RES.	15k	1/16W	5%	RMC1/16S 153JTH	J24189039		1-	A	I5
R 1113	CHIP RES.	39k	1/16W	5%	RMC1/16S 393JTH	J24189044		1-	A	E5
R 1114	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	e2
R 1115	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	F4
R 1116	CHIP RES.	150k	1/16W	5%	RMC1/16S 154JTH	J24189051		1-	A	F4
R 1117	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-	A	J3
R 1118	CHIP RES.	6.8k	1/16W	5%	RMC1/16S 682JTH	J24189035		1-	A	J2
R 1119	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	e2
R 1120	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-	A	J3
R 1122	CHIP RES.	82k	1/16W	5%	RMC1/16S 823JTH	J24189048		1-	A	H3
R 1123	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	I5
R 1125	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	J3
R 1126	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-8	A	J3
R 1126	CHIP RES.	8.2k	1/16W	5%	RMC1/16S 822JTH	J24189036	25W	9-	A	J3
R 1126	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037	50W	9-	A	J3
R 1127	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	B	i5
R 1129	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	H3
R 1130	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	e2
R 1131	CHIP RES.	18	1/16W	5%	RMC1/16S 180JTH	J24189004		1-	B	e2
R 1132	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	A	H5
R 1133	CHIP RES.	82k	1/16W	5%	RMC1/16S 823JTH	J24189048		1-	B	e2
R 1135	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	H3
R 1136	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	H3
R 1137	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	A	E3
R 1138	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	d3
R 1139	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	A	H3
R 1140	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	e3
R 1141	CHIP RES.	3.9k	1/16W	5%	RMC1/16S 392JTH	J24189032		1-	B	e2
R 1142	CHIP RES.	560	1/16W	5%	RMC1/16S 561JTH	J24189022		1-	B	e3
R 1143	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	B	e3
R 1144	CHIP RES.	33k	1/16W	5%	RMC1/16S 333JTH	J24189043		1-	B	e3
R 1145	CHIP RES.	150k	1/16W	5%	RMC1/16S 154JTH	J24189051		1-	A	H4
R 1146	CHIP RES.	150k	1/16W	5%	RMC1/16S 154JTH	J24189051		1-	A	H4
R 1149	CHIP RES.	47	1/16W	5%	RMC1/16S 470JTH	J24189009		1-	A	H4
R 1150	CHIP RES.	47	1/16W	5%	RMC1/16S 470JTH	J24189009		1-	A	H4
R 1151	CHIP RES.	15k	1/16W	5%	RMC1/16S 153JTH	J24189039		1-	B	e3

MAIN Unit (25 W & 50 W: Lot. 1 ~ 32)

Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
R 1152	CHIP RES.	22	1/16W	5%	RMC1/16S 220JTH	J24189005		1-	B	d4
R 1153	CHIP RES.	220k	1/16W	5%	RMC1/16S 224JTH	J24189053		1-	A	D4
R 1154	CHIP RES.	18k	1/16W	5%	RMC1/16S 183JTH	J24189040		1-	B	f5
R 1155	CHIP RES.	270	1/16W	5%	RMC1/16S 271JTH	J24189018		1-6	B	f3
R 1155	CHIP RES.	270	1/16W	0.5%	MHR01MZPD2700	J24189427		7-16	B	f3
R 1155	CHIP RES.	270	1/16W	0.5%	MHR01MZPD2700	J24189427		17	B	f3
R 1155	CHIP RES.	270	1/16W	0.5%	RN731ETTP2700D25	J24189461		18-28	B	f3
R 1155	CHIP RES.	270	1/16W	0.5%	RR0510P-271-D	J24189105		29-	B	f3
R 1156	CHIP RES.	68k	1/16W	5%	RMC1/16S 683JTH	J24189047		1-4	A	H5
R 1156	CHIP RES.	82k	1/16W	5%	RMC1/16S 823JTH	J24189048		5-	A	H5
R 1157	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	A	E4
R 1158	CHIP RES.	1M	1/16W	5%	RMC1/16S 105JTH	J24189061		1-	A	D4
R 1159	CHIP RES.	180k	1/16W	5%	RMC1/16S 184JTH	J24189052		1-	A	H5
R 1160	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-7	B	f3
R 1160	CHIP RES.	100	1/16W	0.5%	MHR01MZPD1000	J24189422		8-18	B	f3
R 1160	CHIP RES.	100	1/16W	0.5%	RN731ETTP1000D25	J24189456		19-28	B	f3
R 1160	CHIP RES.	100	1/16W	0.5%	RR0510P-101-D	J24189095		29-	B	f3
R 1161	CHIP RES.	33k	1/16W	5%	RMC1/16S 333JTH	J24189043		1-	A	D5
R 1162	CHIP RES.	220k	1/16W	5%	RMC1/16S 224JTH	J24189053		1-	A	D5
R 1163	CHIP RES.	47	1/16W	5%	RMC1/16S 470JTH	J24189009		1-	B	e3
R 1164	CHIP RES.	3.3k	1/16W	5%	RMC1/16S 332JTH	J24189031		1-6	B	e3
R 1164	CHIP RES.	3.3k	1/16W	0.5%	MHR01MZPD3301	J24189440		7-16	B	e3
R 1164	CHIP RES.	3.3k	1/16W	0.5%	RN731ETTP3301D25	J24189474		17-28	B	e3
R 1164	CHIP RES.	3.3k	1/16W	0.5%	RR0510P-332-D	J24189131		29-	B	e3
R 1165	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-7	B	f3
R 1165	CHIP RES.	1k	1/16W	0.5%	MHR01MZPD1001	J24189434		8-18	B	f3
R 1165	CHIP RES.	1k	1/16W	0.5%	RN731ETTP1001D25	J24189468		19-28	B	f3
R 1165	CHIP RES.	1k	1/16W	0.5%	RR0510P-102-D	J24189119		29-	B	f3
R 1166	CHIP RES.	560	1/16W	5%	RMC1/16S 561JTH	J24189022		1-	A	G5
R 1167	CHIP RES.	330k	1/16W	5%	RMC1/16S 334JTH	J24189055		1-	A	H5
R 1168	CHIP RES.	5.6k	1/16W	5%	RMC1/16S 562JTH	J24189034		1-6	B	e4
R 1168	CHIP RES.	5.6k	1/16W	0.5%	MHR01MZPD5601	J24189443		7-16	B	e4
R 1168	CHIP RES.	5.6k	1/16W	0.5%	RN731ETTP5601D25	J24189477		17-28	B	e4
R 1168	CHIP RES.	5.6k	1/16W	0.5%	RR0510P-562-D	J24189137		29-	B	e4
R 1170	CHIP RES.	390	1/16W	5%	RMC1/16S 391JTH	J24189020		1-	A	I4
R 1171	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	G5
R 1172	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	c4
R 1173	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	G5
R 1174	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	E5
R 1175	CHIP RES.	220k	1/16W	5%	RMC1/16S 224JTH	J24189053		1-	A	H5
R 1176	CHIP RES.	150	1/16W	5%	RMC1/16S 151JTH	J24189015		1-	B	c4
R 1177	CHIP RES.	470	1/16W	5%	RMC1/16S 471JTH	J24189021		1-	B	b4
R 1178	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	B	f3
R 1179	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	H5
R 1180	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	E5
R 1181	CHIP RES.	270	1/16W	5%	RMC1/16S 271JTH	J24189018		1-	B	c4
R 1182	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-	A	E3
R 1183	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	C4
R 1184	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	C4
R 1185	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	H5
R 1186	CHIP RES.	680k	1/16W	5%	RMC1/16S 684JTH	J24189059		1-17	B	c5
R 1186	CHIP RES.	820k	1/16W	5%	RMC1/16S 824JTH	J24189060		18-	B	c5
R 1187	CHIP RES.	470k	1/16W	5%	RMC1/16S 474JTH	J24189057		1-	A	G5
R 1188	CHIP RES.	4.7M	1/16W	5%	RMC1/16S 475JTH	J24189337		1-4	A	H5
R 1188	CHIP RES.	3.3M	1/16W	5%	RMC1/16S 335JTH	J24189324		5-	A	H5
R 1189	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	I5
R 1191	CHIP RES.	1.2k	1/16W	5%	RMC1/16S 122JTH	J24189026		1-	B	e3
R 1192	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	A	G5
R 1193	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	h4
R 1194	CHIP RES.	82k	1/16W	5%	RMC1/16S 823JTH	J24189048		1-	A	I5
R 1195	CHIP RES.	22	1/16W	5%	RMC1/16S 220JTH	J24189005		1-	B	f4
R 1196	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	D4
R 1198	CHIP RES.	68k	1/16W	5%	RMC1/16S 683JTH	J24189047		1-4	A	H5
R 1198	CHIP RES.	82k	1/16W	5%	RMC1/16S 823JTH	J24189048		5-	A	H5
R 1199	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	D4
R 1200	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	A	H5
R 1201	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	H5
R 1202	CHIP RES.	15k	1/16W	5%	RMC1/16S 153JTH	J24189039		1-	A	H5
R 1203	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	G5
R 1204	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	D4
R 1205	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	D4
R 1206	CHIP RES.	470	1/16W	5%	RMC1/16S 471JTH	J24189021		1-	A	G4
R 1207	CHIP RES.	12k	1/16W	5%	RMC1/16S 123JTH	J24189038		1-	B	a4
R 1208	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	e4

Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
R 1209	CHIP RES.	1.5k	1/16W	5%	RMC1/16S 152JTH	J24189027		1-	B	e4
R 1210	CHIP RES.	3.3k	1/16W	5%	RMC1/16S 332JTH	J24189031		1-	B	b4
R 1211	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	B	e4
R 1212	CHIP RES.	150k	1/16W	5%	RMC1/16S 154JTH	J24189051		1-	A	J5
R 1213	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	F3
R 1215	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	A	D4
R 1216	CHIP RES.	1.8k	1/16W	5%	RMC1/16S 182JTH	J24189028		1-	A	C4
R 1217	CHIP RES.	12k	1/16W	5%	RMC1/16S 123JTH	J24189038		1-	B	a4
R 1218	CHIP RES.	1.5k	1/16W	5%	RMC1/16S 152JTH	J24189027		1-	B	d4
R 1219	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	A	I4
R 1220	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	e3
R 1221	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	E3
R 1222	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		1-	A	B2
R 1223	CHIP RES.	1M	1/16W	5%	RMC1/16S 105JTH	J24189061		1-	B	d4
R 1224	CHIP RES.	330k	1/16W	5%	RMC1/16S 334JTH	J24189055		1-	B	i4
R 1225	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-4	B	b4
R 1226	CHIP RES.	220	1/16W	5%	RMC1/16S 221JTH	J24189017		5-	B	b4
R 1227	CHIP RES.	12k	1/16W	5%	RMC1/16S 123JTH	J24189038		1-	B	a4
R 1228	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	B	d4
R 1229	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	I5
R 1230	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	I5
R 1231	CHIP RES.	15k	1/16W	5%	RMC1/16S 153JTH	J24189039		1-	B	j4
R 1232	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	B	j4
R 1233	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-	A	F3
R 1234	CHIP RES.	82k	1/16W	5%	RMC1/16S 823JTH	J24189048		1-	B	i4
R 1235	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		1-	A	B2
R 1236	CHIP RES.	6.8k	1/16W	5%	RMC1/16S 682JTH	J24189035		1-	B	b4
R 1237	CHIP RES.	22	1/16W	5%	RMC1/16S 220JTH	J24189005		1-	B	d3
R 1238	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	D3
R 1239	CHIP RES.	12k	1/16W	5%	RMC1/16S 123JTH	J24189038		1-	B	a4
R 1240	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	e4
R 1243	CHIP RES.	12k	1/16W	5%	RMC1/16S 123JTH	J24189038		1-	B	a4
R 1244	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	B	j4
R 1245	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	B	j4
R 1246	CHIP RES.	150k	1/16W	5%	RMC1/16S 154JTH	J24189051		1-	B	b4
R 1247	CHIP RES.	3.3k	1/16W	5%	RMC1/16S 332JTH	J24189031		1-	A	F3
R 1248	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		1-	A	A2
R 1249	CHIP RES.	180k	1/16W	5%	RMC1/16S 184JTH	J24189052		1-	B	e4
R 1250	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	d4
R 1251	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	d3
R 1252	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		1-	A	B1
R 1253	CHIP RES.	22	1/16W	5%	RMC1/16S 220JTH	J24189005		1-	A	I4
R 1254	CHIP RES.	470k	1/16W	5%	RMC1/16S 474JTH	J24189057		1-	B	j4
R 1255	CHIP RES.	470k	1/16W	5%	RMC1/16S 474JTH	J24189057		1-	B	j4
R 1256	CHIP RES.	12k	1/16W	5%	RMC1/16S 123JTH	J24189038		1-	B	a4
R 1257	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-4	A	J5
R 1257	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		5-	A	J5
R 1258	CHIP RES.	33k	1/16W	5%	RMC1/16S 333JTH	J24189043		1-	A	J5
R 1259	CHIP RES.	1M	1/16W	5%	RMC1/16S 105JTH	J24189061		1-	A	B4
R 1260	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	j4
R 1261	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-4	B	b4
R 1261	CHIP RES.	330	1/16W	5%	RMC1/16S 331JTH	J24189019		5-	B	b4
R 1262	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	B3
R 1264	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		1-	A	A2
R 1266	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	d3
R 1267	CHIP RES.	180	1/16W	5%	RMC1/16S 181JTH	J24189016		1-4	B	b5
R 1267	CHIP RES.	150	1/16W	5%	RMC1/16S 151JTH	J24189015		5-	B	b5
R 1268	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	A	I5
R 1269	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		1-	A	B1
R 1270	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	B	j4
R 1271	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	i4
R 1272	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	i4
R 1273	CHIP RES.	15k	1/16W	5%	RMC1/16S 153JTH	J24189039		1-	B	j4
R 1275	CHIP RES.	390k	1/16W	5%	RMC1/16S 394JTH	J24189056		1-	A	I5
R 1276	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	j4
R 1277	CHIP RES.	22	1/16W	5%	RMC1/16S 220JTH	J24189005		1-	B	d4
R 1279	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	B4
R 1280	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		1-	A	A1
R 1281	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	B4
R 1282	CHIP RES.	150k	1/16W	5%	RMC1/16S 154JTH	J24189051		1-4	B	b5
R 1282	CHIP RES.	180k	1/16W	5%	RMC1/16S 184JTH	J24189052		5-	B	b5
R 1283	CHIP RES.	12k	1/16W	5%	RMC1/16S 123JTH	J24189038		1-	B	d4
R 1284	CHIP RES.	470	1/16W	5%	RMC1/16S 471JTH	J24189021		1-	A	B4
R 1285	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-24	B	d4

MAIN Unit (25 W & 50 W: Lot. 1 ~ 32)

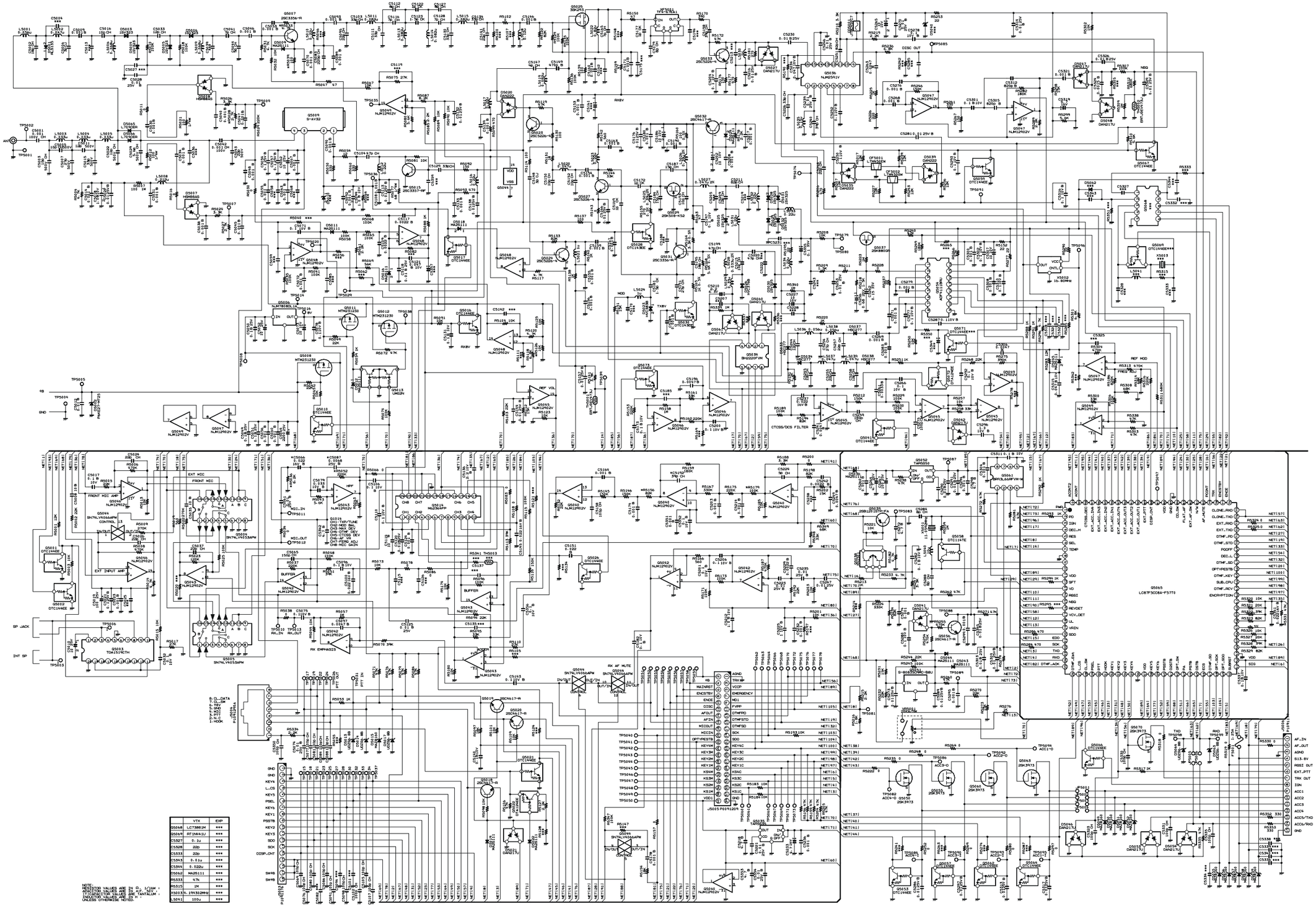
Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
R 1286	CHIP RES.	470	1/16W	5%	RMC1/16S 471JTH	J24189021		1-	A	B4
R 1288	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	d3
R 1289	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	B	b5
R 1290	CHIP RES.	22	1/16W	5%	RMC1/16S 220JTH	J24189005		1-	A	G4
R 1291	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	d3
R 1292	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	i4
R 1293	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	B3
R 1294	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	B4
R 1296	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-	B	d3
R 1297	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		1-	A	B1
R 1298	CHIP RES.	15k	1/16W	5%	RMC1/16S 153JTH	J24189039		1-	B	c5
R 1299	CHIP RES.	5.6k	1/16W	5%	RMC1/16S 562JTH	J24189034		1-	B	c5
R 1300	CHIP RES.	33k	1/16W	5%	RMC1/16S 333JTH	J24189043		1-	A	I5
R 1301	CHIP RES.	6.8k	1/16W	5%	RMC1/16S 682JTH	J24189035		1-	B	c5
R 1302	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	b5
R 1303	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	I5
R 1304	CHIP RES.	680k	1/16W	5%	RMC1/16S 684JTH	J24189059		1-17	B	c5
R 1304	CHIP RES.	470k	1/16W	5%	RMC1/16S 474JTH	J24189057		18-	B	c5
R 1306	CHIP RES.	220k	1/16W	5%	RMC1/16S 224JTH	J24189053		1-2	B	c5
R 1306	CHIP RES.	82k	1/16W	5%	RMC1/16S 823JTH	J24189048		3-17	B	c5
R 1306	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		18-	B	c5
R 1307	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	B	b5
R 1308	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-17	B	c5
R 1308	CHIP RES.	68k	1/16W	5%	RMC1/16S 683JTH	J24189047		18-	B	c5
R 1309	CHIP RES.	1M	1/16W	5%	RMC1/16S 105JTH	J24189061		1-	B	b5
R 1310	CHIP RES.	5.6k	1/16W	5%	RMC1/16S 562JTH	J24189034		1-	A	I4
R 1311	CHIP RES.	680k	1/16W	5%	RMC1/16S 684JTH	J24189059		1-	B	c5
R 1312	CHIP RES.	680k	1/16W	5%	RMC1/16S 684JTH	J24189059		1-	B	b5
R 1313	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-2	B	c5
R 1313	CHIP RES.	470k	1/16W	5%	RMC1/16S 474JTH	J24189057		3-	B	c5
R 1314	CHIP RES.	27k	1/16W	5%	RMC1/16S 273JTH	J24189042		1-2	B	c5
R 1314	CHIP RES.	68k	1/16W	5%	RMC1/16S 683JTH	J24189047		3-	B	c5
R 1315	CHIP RES.	1M	1/16W	5%	RMC1/16S 105JTH	J24189061	VTX(USA)	9-	B	g5
R 1316	CHIP RES.	27k	1/16W	5%	RMC1/16S 273JTH	J24189042		1-2	B	c4
R 1316	CHIP RES.	220k	1/16W	5%	RMC1/16S 224JTH	J24189053		3-	B	c4
R 1317	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		1-7	B	i1
R 1317	CHIP RES.	330	1/16W	5%	RMC1/16S 331JTH	J24189019		8	B	i1
R 1317	CHIP RES.	1k	1/16W	5%	RMC1/16 102JATP	J24185102		9-	B	i1
R 1318	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		1-	A	B2
R 1319	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		1-	A	A1
R 1320	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	C4
R 1321	CHIP RES.	20k	1/16W	0.5%	RR0510R-203-D	J24189150		1-	A	C4
R 1322	CHIP RES.	39k	1/16W	5%	RMC1/16S 393JTH	J24189044		1-	A	C4
R 1323	CHIP RES.	82k	1/16W	5%	RMC1/16S 823JTH	J24189048		1-	A	C4
R 1324	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	A	C3
R 1325	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	A	C4
R 1326	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	C4
R 1327	CHIP RES.	20k	1/16W	0.5%	RR0510R-203-D	J24189150		1-	A	C4
R 1328	CHIP RES.	39k	1/16W	5%	RMC1/16S 393JTH	J24189044		1-	A	C4
R 1329	CHIP RES.	82k	1/16W	5%	RMC1/16S 823JTH	J24189048		1-	A	C4
R 1330	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		1-	A	B2
R 1331	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	G5
R 1333	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045	VTX(USA)	9-	B	f5
R 1334	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	A	A5
R 1335	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	j1
R 1338	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	I5
R 1339	CHIP RES.	1M	1/16W	5%	RMC1/16S 105JTH	J24189061		1-	A	F4
R 1340	CHIP RES.	1M	1/16W	5%	RMC1/16S 105JTH	J24189061		1-	A	E3
R 1343	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-4		
R 1347	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		5-	A	E4
R 1348	CHIP RES.	33k	1/16W	5%	RMC1/16S 333JTH	J24189043		5-	A	H5
R 1349	CHIP RES.	68k	1/16W	5%	RMC1/16S 683JTH	J24189047		5-	A	H5
R 1352	CHIP RES.	330	1/16W	5%	RMC1/16S 331JTH	J24189019		9-	B	i1
R 1353	CHIP RES.	330	1/16W	5%	RMC1/16S 331JTH	J24189019		9-	B	j1
SC1001	SHIELD CASE				(VCO)	RA0790400		1-18		
SC1001	SHIELD CASE				(VCO)	RA079040A		19-		
TH1001	THERMISTOR				ERTJ0EV473J	G9090120		1-	B	e2
TH1002	THERMISTOR				ERTJ0EV473J	G9090120		1-	B	c5
VR1001	POT.				RK0971111 20KA/SW	J60800256		1-	A	A5
X 1001	XTAL HC-49SMD	11.0592MHz			FYSMD110592	H0103318		1-	A	A4
X 1002	XTAL OSC	16.8MHz			TTS05VS-P2 16.8MHZ	H9500760		1-17	A	G4
X 1002	TCXO	16.8MHz			TTS14VSB-A3 16.80MHZ	H9501100		18-	A	G4
X 1003	XTAL U3B	4.194304MHz			4.194304MHZ	H0103284	VTX(USA)	9-	B	g5
XF1001	XTAL FILTER				TF4-67EA1 67.65MHZ	H1102399		1-	A	H4

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
	LEAF SPRING					RA0824400		1-		
	GROUND PLATE					RA0337900	25W	9-		
	GASKET				(L=10)	RA0896300	25W	9-		
	INSULATOR SHEET					RA083830A	CE:ON	17-		

MAIN Unit (25 W & 50 W: Lot. 1 ~ 32)

Note



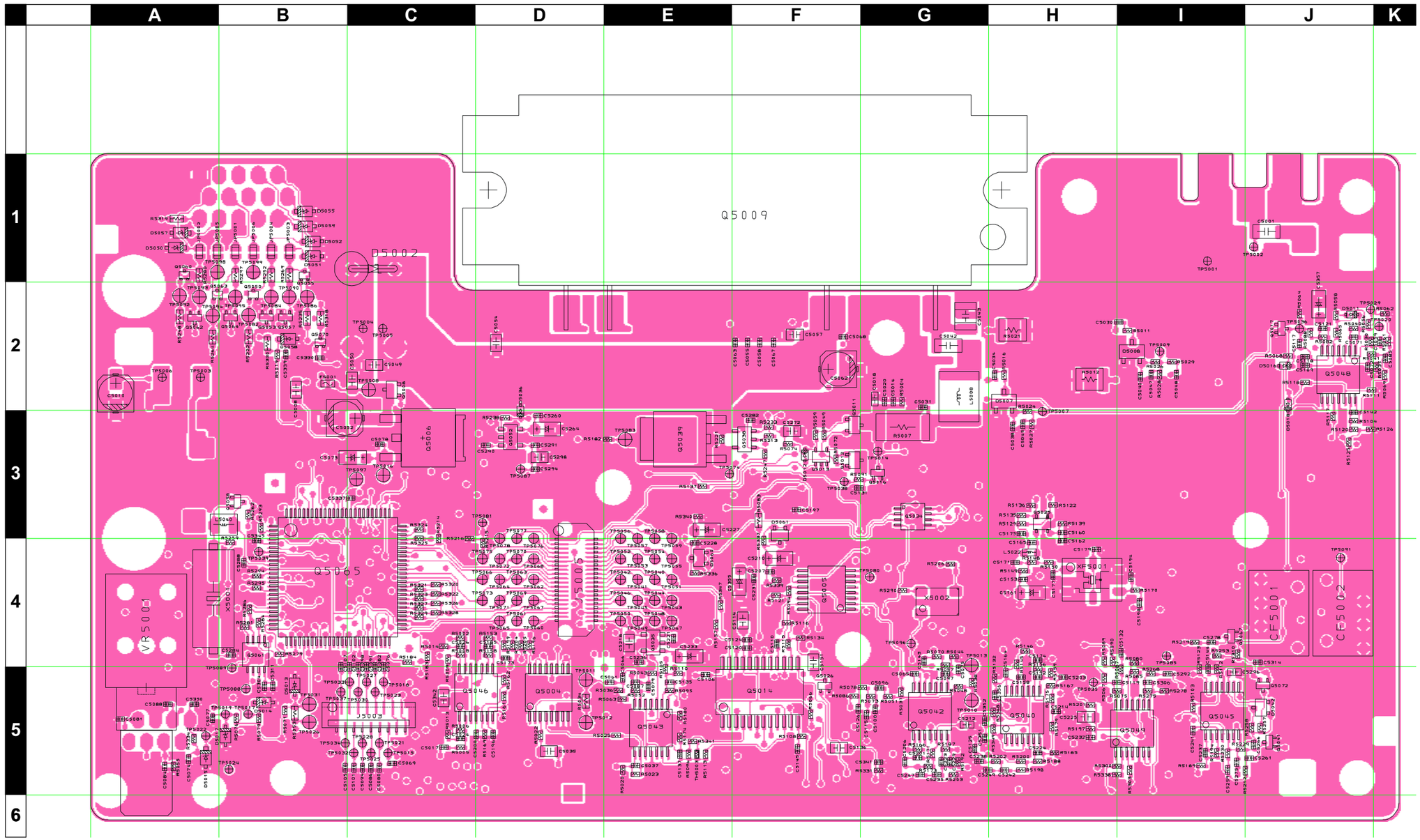
	VTX	EXP
Q5068	LC7388JM	***
Q5069	RT1N141U	***
C5327	0. 1u	***
C5328	22p	***
C5333	22p	***
C5363	0.01u	***
C5364	0.022u	***
D5062	MA2S111	***
R5333	4.7k	***
R5315	1M	***
X5003	19.2288MHz	***
L5041	100u	***

NOTE:
- RESISTOR VALUES ARE IN Ω, 1/16W, 1%
- CAPACITOR VALUES ARE IN pF, 50V, ±0.25pF(CH), ±5%(CH-TEMP.CAT.), ±10%(B), UNLESS OTHERWISE NOTED.

MAIN-2 Unit (50 W, Lot. 33~)

Note

Parts Layout (Side A)



GND, OUT, IN
NJM7808DL1A
(Q5006)

Pin 16, Pin 8, Pin 1
SN74LV4053APWR
(Q5004, 5005)
NJM12902V
(Q5040, 5042, 5043, 5045, 5046, 5048, 5049)

Drain, Gate, Source
MTM231230L (BL)
(Q 5008, 5011, 5012)
2SK397300L
(Q5050, 5055, 5060, 5063, 5070)

Output, Vcc2, Vcc1, Input
S-AV32A
(Q5009)

Emitter Common, Base 1, Base 2, 47k, 47k, 47k, 47k, Collector 1, Collector 2
UMG2N
(Q5013)

Pin 24, Pin 12, Pin 1
M62364FP
(Q5014)

Collector, 22k, 22k, Base, Emitter
DTA124EE (15)
(Q 5072)

Collector, 47k, 47k, Base, Emitter
DTC144EE (26)
(Q 5016, 5017, 5026, 5041, 5053, 5057, 5062, 5064, 5067)

Gate 2, Gate1, Drain, Source
3SK293 (UF)
(Q5025)

Pin 8, Pin 4, Pin 1
BH2220FVM
(Q5034)
BR93L66RFVM
(Q5061)

VIN, VOUT, CONTROL, GND, NOISE
TAR5S35(3V5)
(Q5035)

Emitter Common, Base 1, Base 2, Collector 1, Collector 2
XN1501 (R5)
(Q5038)

Collector, Emitter, Base
2SB1201S-TL
(Q5039)

VIN, VOUT, CONTROL, GND, NOISE
TAR5S50
(Q5052)

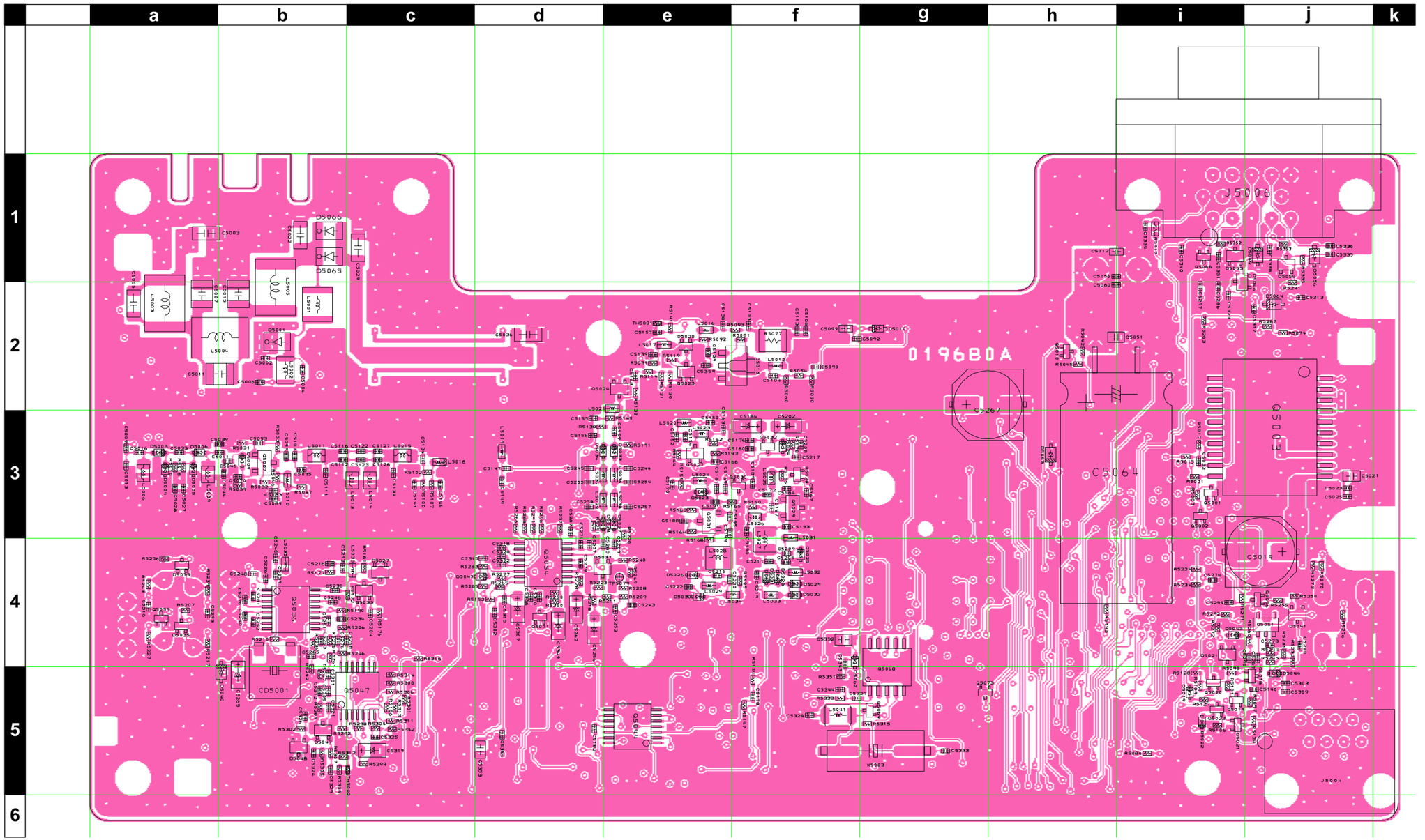
Collector, 10k, Base, Emitter
DTC114TE (04)
(Q1058)

Pin 100, Pin 76, Pin 1, Pin 75, Pin 25, Pin 51, Pin 26, Pin 50
LC87F5CC8A
(Q5065)

Cathode 1, Anode 2, Anode 1, Cathode 2
HSM88AS (C1)
(D5007, 5008)
DAN217U (A7)
(D5042, 5060, 5061)

MAIN-2 Unit (50 W, Lot. 33~)

Parts Layout (Side B)



REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
	PCB with Components					CS2025704	50 W			
C 5001	CHIP CAP.	0.001uF	100V	CH	GRM31M2C2A102JZ01L	K22201202		33-	A	J1
C 5002	CHIP CAP.	18pF	50V	CH	GRM1552C1H180JZ01D	K22178218		33-	B	b2
C 5002	CHIP CAP.	15pF	50V	CH	GRM1552C1H150JZ01D	K22178216		36-	B	b2
C 5003	CHIP CAP.	10pF	500V	CH	CF316CH100D500AT	K22271255		33-94	B	a1
C 5005	CHIP CAP.	10pF	500V	CH	CF316CH100D500AT	K22271255		33-94	B	a2
C 5006	CHIP CAP.	3pF	50V	CJ	GRM1553C1H3R0BZ01D	K22178290		33-	B	b2
C 5006	CHIP CAP.	2pF	50V	CK	GRM1554C1H2R0BZ01D	K22178289		36-	B	b2
C 5007	FILM CAP.	27pF	500V		UC232H0270J-T	K33279023		33-94	B	a2
C 5008	CHIP CAP.	10uF	6.3V	B	JMK212BJ106KG-T	K22080802		33-	A	B2
C 5009	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		33-	B	a3
C 5010	AL.ELECTRO.CAP.	10uF	25V		UWR1E100MCL1GB	K48140019		33-	A	A2
C 5011	FILM CAP.	12pF	500V		UC232H0120J-T	K33279020		33-94	B	b2
C 5012	CHIP CAP.	0.01uF	50V	B	GRM188B11H103KA01D	K22174823		33-	B	i1
C 5014	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		33-	A	G2
C 5015	FILM CAP.	33pF	500V		UC232H0330G-T	K33279053		33-94	B	b2
C 5016	CHIP CAP.	10pF	50V	CH	GRM1552C1H100JZ01D	K22178212		33-	B	a3
C 5017	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		33-	A	C5
C 5018	CHIP CAP.	1uF	10V	B	ECJ1VB1A105K	K22104806		33-53	A	G2
C 5018	CHIP CAP.	1uF	10V	B	GRM188B11A105KA61D	K22104808		54-	A	G2
C 5019	AL.ELECTRO.CAP.	100uF	25V		UUR1E101MCL1GS	K48140020		33-	B	j4
C 5020	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		33-	A	G2
C 5021	CHIP CAP.	0.1uF	25V	B	GRM21BB11E104KA01L	K22140811		33-	B	j3
C 5022	CHIP CAP.	8.2pF	500V	CH	1206N8R2D501LT	K22278208		33-94	B	b1
C 5023	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		33-	B	j3
C 5024	CHIP CAP.	22pF	50V	CH	GRM1552C1H220JZ01D	K22178220		33-	A	C5
C 5026	CHIP CAP.	22pF	50V	CH	GRM1552C1H220JZ01D	K22178220		33-	A	C4
C 5028	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		33-	B	a3
C 5029	CHIP CAP.	5.6pF	500V	CH	1206N5R6C501LT	K22278206		33-49	B	c1
C 5029	CHIP CAP.	5.6pF	500V	CH	1206N5R6D501CT	K22278233		50-94	B	c1
C 5030	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		33-	A	I2
C 5031	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		33-	A	G2
C 5032	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		33-	B	i3
C 5033	CHIP CAP.	12pF	50V	CH	GRM1552C1H120JZ01D	K22178214		33-	B	a3
C 5034	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		33-	A	H2
C 5035	CHIP CAP.	10uF	6.3V	B	JMK212BJ106KG-T	K22080802		33-	A	D5
C 5037	CHIP CAP.	22pF	50V	CH	GRM1552C1H220JZ01D	K22178220		33-	A	E5
C 5038	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		33-	A	H3
C 5040	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		33-	A	I2
C 5041	CHIP CAP.	7pF	50V	CH	GRM1552C1H7R0BZ01D	K22178294		33-	B	b3
C 5042	CHIP CAP.	0.001uF	100V	CH	GRM31M2C2A102JZ01L	K22201202		33-	A	G2
C 5043	FILM CAP.	22pF	500V		UC232H0220J-T	K33279021		33-94	A	G2
C 5044	CHIP CAP.	5pF	50V	CH	GRM1552C1H5R0CZ01D	K22178207		33-	B	b3
C 5045	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		33-	A	H3
C 5046	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		33-	B	b3
C 5047	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		33-	A	I2
C 5048	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		33-	A	I2
C 5049	CHIP CAP.	0.1uF	25V	B	GRM21BB11E104KA01L	K22140811		33-	A	C2
C 5050	CHIP CAP.	0.1uF	25V	B	GRM21BB11E104KA01L	K22140811		33-	A	C2
C 5051	CHIP CAP.	0.1uF	25V	B	GRM21BB11E104KA01L	K22140811		33-	B	i2
C 5052	AL.ELECTRO.CAP.	10uF	25V		UWR1E100MCL1GB	K48140019		33-	A	B3
C 5053	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		33-	B	b3
C 5054	CHIP CAP.	0.1uF	25V	B	GRM21BB11E104KA01L	K22140811		33-	A	D2
C 5055	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		33-	A	F2
C 5056	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		33-	B	i1
C 5057	CHIP CAP.	0.1uF	25V	B	GRM21BB11E104KA01L	K22140811		33-	A	F2
C 5060	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		33-	B	i2
C 5061	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		33-	A	E5
C 5062	AL.ELECTRO.CAP.	10uF	25V		UWR1E100MCL1GB	K48140019		33-	A	F2
C 5063	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		33-	A	F2
C 5064	AL.ELECTRO.CAP.	2200uF	25V		UVR1E222MHD	K40149078		33-	B	i2
C 5065	CHIP CAP.	150pF	50V	CH	GRM1552C1H151JA01D	K22178240		33-	A	G5
C 5066	CHIP CAP.	0.022uF	16V	B	GRM155B11C223KA01D	K22128806		33-79	A	E5
C 5066	CHIP CAP.	0.033uF	10V	B	GRM155B11A333KA01D	K22108803		80-	A	E5
C 5067	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		33-	A	F2
C 5069	CHIP CAP.	100pF	50V	CH	GRM1552C1H101JD01D	K22178236		33-	A	C5
C 5070	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		33-	B	b3
C 5071	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		33-	A	J2
C 5072	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		33-	A	J2
C 5073	CHIP TA.CAP.	10uF	10V		TEESVA1A106M8R	K78100028		33-	A	C3
C 5074	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		33-	A	A5
C 5075	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		33-	A	G5
C 5076	CHIP CAP.	100pF	50V	CH	GRM1552C1H101JD01D	K22178236		33-	A	C5
C 5077	CHIP CAP.	100pF	50V	CH	GRM1552C1H101JD01D	K22178236		33-	A	A5

MAIN-2 Unit (50 W: Lot. 33 ~)

Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
C 5078	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		33-	A	C3
C 5079	CHIP CAP.	0.033uF	10V	B	GRM155B11A333KA01D	K22108803		33-	A	E5
C 5080	CHIP CAP.	100pF	50V	CH	GRM1552C1H101JD01D	K22178236		33-	A	C5
C 5081	CHIP CAP.	100pF	50V	CH	GRM1552C1H101JD01D	K22178236		33-	A	A5
C 5083	CHIP CAP.	220pF	50V	CH	GRM1552C1H221JA01D	K22179713		33-	B	b3
C 5084	CHIP CAP.	100pF	50V	CH	GRM1552C1H101JD01D	K22178236		33-	A	A5
C 5086	CHIP CAP.	100pF	50V	CH	GRM1552C1H101JD01D	K22178236		33-	A	C5
C 5087	CHIP CAP.	0.0068uF	25V	B	GRM155B11E682KA01D	K22148803		33-79	A	E5
C 5087	CHIP CAP.	0.0082uF	16V	B	GRM155B11C822KA01D	K22128801		80-	A	E5
C 5088	CHIP CAP.	100pF	50V	CH	GRM1552C1H101JD01D	K22178236		33-	A	A5
C 5089	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		33-	B	b3
C 5090	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		33-	B	f2
C 5091	CHIP CAP.	100pF	50V	CH	GRM1552C1H101JD01D	K22178236		33-	A	C5
C 5092	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		33-	B	f2
C 5093	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		33-	B	b3
C 5095	CHIP CAP.	22pF	50V	CH	GRM1552C1H220JZ01D	K22178220		33-	B	b3
C 5096	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		33-	A	G5
C 5097	CHIP CAP.	0.0047uF	50V	B	GRM155B11H472KA01D	K22178838		33-	A	G5
C 5098	CHIP CAP.	100pF	50V	CH	GRM1552C1H101JD01D	K22178236		33-	A	C5
C 5099	CHIP CAP.	1uF	10V	B	ECJ1VB1A105K	K22104806		33-53	B	f2
C 5099	CHIP CAP.	1uF	10V	B	GRM188B11A105KA61D	K22104808		54-	B	f2
C 5100	CHIP CAP.	0.022uF	16V	B	GRM155B11C223KA01D	K22128806		33-	A	G5
C 5102	CHIP CAP.	100pF	50V	CH	GRM1552C1H101JD01D	K22178236		33-	A	C5
C 5103	CHIP CAP.	33pF	50V	CH	GRM1552C1H330JZ01D	K22178224		33-	B	b3
C 5104	CHIP CAP.	47pF	50V	CH	GRM1552C1H470JZ01D	K22178228		33-	B	f2
C 5105	CHIP CAP.	100pF	50V	CH	GRM1552C1H101JD01D	K22178236		33-	A	B5
C 5106	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		33-	A	E5
C 5107	CHIP CAP.	100pF	50V	CH	GRM1552C1H101JD01D	K22178236		33-	A	B5
C 5108	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		33-	B	f2
C 5109	CHIP CAP.	0.0022uF	50V	B	GRM155B11H222KA01D	K22178813		33-	A	J2
C 5110	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		33-	A	F4
C 5111	CHIP CAP.	33pF	50V	CH	GRM1552C1H330JZ01D	K22178224		33-	B	b3
C 5112	CHIP CAP.	8pF	50V	CH	GRM1552C1H8R0BZ01D	K22178295		33-	B	b3
C 5113	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		33-	B	f2
C 5114	CHIP CAP.	10uF	6.3V	B	JMK212BJ106KG-T	K22080802		33-	A	F4
C 5116	CHIP CAP.	7pF	50V	CH	GRM1552C1H7R0BZ01D	K22178294		33-	B	b3
C 5117	CHIP CAP.	0.0022uF	50V	B	GRM155B11H222KA01D	K22178813		33-	A	J2
C 5118	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		33-	A	J2
C 5120	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		33-	A	F4
C 5121	CHIP CAP.	0.047uF	10V	B	GRM155B11A473KA01D	K22108801		33-	A	J2
C 5122	CHIP CAP.	1pF	50V	CK	GRM1554C1H1R0CZ01D	K22178202		33-	B	c3
C 5123	CHIP CAP.	1.5pF	50V	CK	GRM1554C1H1R5CZ01D	K22178203		33-	B	c3
C 5124	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		33-	A	F4
C 5125	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		33-	A	G5
C 5127	CHIP CAP.	8pF	50V	CH	GRM1552C1H8R0BZ01D	K22178295		33-	B	c3
C 5128	CHIP CAP.	7pF	50V	CH	GRM1552C1H7R0BZ01D	K22178294		33-	B	c3
C 5129	CHIP CAP.	33pF	50V	CH	GRM1552C1H330JZ01D	K22178224		33-	B	e2
C 5130	CHIP CAP.	33pF	50V	CH	GRM1552C1H330JZ01D	K22178224		33-	B	c3
C 5131	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		33-	A	F3
C 5132	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		33-	A	I4
C 5133	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		33-	B	f2
C 5134	CHIP CAP.	33pF	50V	CH	GRM1552C1H330JZ01D	K22178224		33-	B	c3
C 5136	CHIP CAP.	2.2uF	10V	B	GRM21BB11A225KA01L	K22100804		33-	A	F5
C 5138	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		33-	B	e2
C 5139	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		33-	B	e2
C 5140	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		33-	B	j5
C 5141	CHIP CAP.	22pF	50V	CH	GRM1552C1H220JZ01D	K22178220		33-	B	c3
C 5143	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		33-	A	G4
C 5144	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		33-	A	I5
C 5145	CHIP CAP.	0.022uF	16V	B	GRM155B11C223KA01D	K22128806		33-	A	F5
C 5146	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		33-	B	c3
C 5147	CHIP CAP.	4pF	50V	CH	GRM1552C1H4R0CZ01D	K22178206		33-	B	d3
C 5148	CHIP CAP.	3pF	50V	CJ	GRP1553C1H3R0CZ01E	K22178205		33-	B	e2
C 5149	CHIP CAP.	470pF	50V	B	GRM155B11H471KA01D	K22178805		33-	B	d3
C 5150	CHIP CAP.	10pF	50V	CH	GRM1552C1H100JZ01D	K22178212		33-	B	e3
C 5151	CHIP CAP.	0.022uF	50V	B	GRM216B11H223KA01D	K22170821		33-35	A	F4
C 5151	CHIP CAP.	0.047uF	50V	B	GRM21BB11H473KA01L	K22170823		36-	A	F4
C 5152	CHIP CAP.	10pF	50V	CH	GRM1552C1H100JZ01D	K22178212		33-	B	e3
C 5153	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		33-	A	H4
C 5154	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		33-	B	e3
C 5155	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		33-	B	d3
C 5156	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		33-	B	d3
C 5157	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		33-	B	e2
C 5158	CHIP CAP.	100pF	50V	CH	GRM1552C1H101JD01D	K22178236		33-	A	H5

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
C 5159	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		33-	B	e3
C 5160	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		33-	A	H3
C 5164	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		33-	A	H5
C 5165	CHIP CAP.	7pF	50V	CH	GRM1552C1H7R0DZ01D	K22178209		33-	A	H4
C 5166	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		33-	B	e3
C 5167	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		33-	B	f3
C 5169	CHIP CAP.	1pF	50V	CK	GRM1554C1H1R0BZ01D	K22178287		33-	B	e3
C 5171	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		33-	A	H4
C 5172	CHIP CAP.	1pF	50V	CK	GRM1554C1H1R0BZ01D	K22178287		33-	B	f3
C 5173	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		33-	A	D4
C 5174	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		33-	A	H4
C 5176	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		33-	B	f3
C 5177	CHIP CAP.	1pF	50V	CK	GRM1554C1H1R0CZ01D	K22178202		33-	A	H4
C 5178	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		33-	B	f5
C 5179	CHIP CAP.	8pF	50V	CH	GRM1552C1H8R0DZ01D	K22178210		33-	A	H4
C 5180	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		33-	B	f3
C 5181	CHIP CAP.	1.5pF	50V	CK	GRM1554C1H1R5BZ01D	K22178288		33-	B	e3
C 5182	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		33-	B	d5
C 5184	CHIP CAP.	15pF	50V	CH	GRM1552C1H150JZ01D	K22178216		33-	B	f3
C 5186	CHIP TA.CAP.	10uF	10V		TEESVA1A106M8R	K78100028		33-	B	f3
C 5187	CHIP CAP.	15pF	50V	CH	GRM1552C1H150JZ01D	K22178216		33-	B	f3
C 5189	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		33-	B	f3
C 5190	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		33-	B	f3
C 5191	CHIP CAP.	27pF	50V	CH	GRM1552C1H270JZ01D	K22178222		33-	B	e3
C 5192	CHIP CAP.	39pF	50V	CH	GRM1552C1H390JZ01D	K22178226		33-79	A	H5
C 5192	CHIP CAP.	27pF	50V	CH	GRM1552C1H270JZ01D	K22178222		80-	A	H5
C 5193	CHIP CAP.	10pF	50V	CH	GRM1552C1H100JZ01D	K22178212		33-	B	f3
C 5195	CHIP CAP.	18pF	50V	CH	GRM1552C1H180JZ01D	K22178218		33-	B	e3
C 5196	CHIP CAP.	0.0047uF	50V	B	GRM155B11H472KA01D	K22178838		33-	A	D5
C 5197	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		33-	A	F3
C 5198	CHIP CAP.	39pF	50V	CH	GRM1552C1H390JZ01D	K22178226		33-	A	I4
C 5199	CHIP CAP.	47pF	50V	CH	GRM1552C1H470JZ01D	K22178228		33-	B	e3
C 5200	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		33-	A	D5
C 5201	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		33-	A	G5
C 5202	CHIP TA.CAP.	10uF	10V		TEESVA1A106M8R	K78100028		33-	B	f3
C 5203	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		33-	A	H5
C 5204	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		33-	B	c4
C 5206	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		33-	A	G5
C 5208	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		33-	B	f3
C 5209	CHIP CAP.	12pF	50V	CH	GRM1552C1H120JZ01D	K22178214		33-	B	f4
C 5210	CHIP TA.CAP.	2.2uF	6.3V		TEESVA0J225M8R	K78080009		33-	A	F4
C 5211	CHIP CAP.	82pF	50V	CH	GRM1552C1H820JD01D	K22178234		33-	B	f4
C 5212	CHIP CAP.	1uF	10V	B	ECJ1VB1A105K	K22104806		33-53	A	G5
C 5212	CHIP CAP.	1uF	10V	B	GRM188B11A105KA61D	K22104808		54-	A	G5
C 5214	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		33-	A	H5
C 5215	CHIP CAP.	10pF	50V	CH	GRM1552C1H100JZ01D	K22178212		33-	B	e4
C 5216	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		33-	B	b4
C 5217	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		33-	B	f3
C 5218	CHIP CAP.	4.7uF	6.3V	B	JMK212BJ475KG-T	K22080804		33-	A	E4
C 5220	CHIP CAP.	47pF	50V	CH	GRM1552C1H470JZ01D	K22178228		33-	B	e4
C 5221	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		33-	A	E4
C 5223	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		33-	A	G5
C 5224	CHIP CAP.	5pF	50V	CH	GRM1552C1H5R0CZ01D	K22178207		33-	A	H5
C 5225	CHIP CAP.	1uF	10V	B	GRM219B11A105KC01D	K22100803		33-	A	H5
C 5226	CHIP CAP.	33pF	50V	CH	GRM1552C1H330JZ01D	K22178224		33-	B	b4
C 5227	CHIP TA.CAP.	10uF	10V		TEESVA1A106M8R	K78100028		33-	A	E3
C 5229	CHIP CAP.	0.0022uF	50V	B	GRM155B11H222KA01D	K22178813		33-	A	G5
C 5230	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		33-	B	b4
C 5232	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		33-	A	H5
C 5233	CHIP TA.CAP.	4.7uF	16V		TEESVA1C475M8R	K78120031		33-	A	E4
C 5234	CHIP CAP.	0.047uF	10V	B	GRM155B11A473KA01D	K22108801		33-	B	b4
C 5235	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		33-	A	G5
C 5236	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		33-	A	E4
C 5237	CHIP CAP.	0.022uF	16V	B	GRM155B11C223KA01D	K22128806		33-	A	I5
C 5239	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		33-	B	b4
C 5240	CHIP CAP.	39pF	50V	CH	GRM1552C1H390JZ01D	K22178226		33-	B	b4
C 5241	CHIP CAP.	0.0047uF	50V	B	GRM155B11H472KA01D	K22178838		33-	A	I5
C 5242	CHIP CAP.	0.0022uF	50V	B	GRM155B11H222KA01D	K22178813		33-	A	H5
C 5244	CHIP CAP.	12pF	50V	CH	GRM1552C1H120JZ01D	K22178214		33-	B	e3
C 5245	CHIP CAP.	12pF	50V	CH	GRM1552C1H120JZ01D	K22178214		33-	B	d3
C 5246	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		33-	B	b4
C 5247	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		33-	A	G5
C 5248	CHIP CAP.	22pF	50V	CH	GRM1552C1H220JZ01D	K22178220		33-	B	b4
C 5249	CHIP CAP.	0.0047uF	50V	B	GRM155B11H472KA01D	K22178838		33-	A	G5

MAIN-2 Unit (50 W: Lot. 33 ~)

Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
C 5250	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		33-	B	b4
C 5251	CHIP CAP.	82pF	50V	CH	GRM1552C1H820JD01D	K22178234		33-	B	b4
C 5252	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		33-	B	b4
C 5253	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		33-	B	e4
C 5254	CHIP CAP.	27pF	50V	CH	GRM1552C1H270JZ01D	K22178222		33-	B	e3
C 5255	CHIP CAP.	22pF	50V	CH	GRM1552C1H220JZ01D	K22178220		33-	B	d3
C 5256	CHIP TA.CAP.	0.68uF	20V		TEESVA1D684M8R	K78130009		33-	B	d4
C 5257	CHIP CAP.	22pF	50V	CH	GRM1552C1H220JZ01D	K22178220		33-	B	e3
C 5258	CHIP CAP.	12pF	50V	CH	GRM1552C1H120JZ01D	K22178214		33-	B	d3
C 5259	CHIP CAP.	180pF	50V	CH	GRM1552C1H181JA01D	K22179711		33-	A	I5
C 5260	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		33-	A	D3
C 5261	CHIP CAP.	0.0033uF	50V	B	GRM155B11H332KA01D	K22178815		33-	A	J5
C 5262	CHIP TA.CAP.	0.15uF	35V		TEESVA1V154M8R	K78160026		33-	B	d4
C 5263	CHIP CAP.	0.0047uF	50V	B	GRM155B11H472KA01D	K22178838		33-	B	b4
C 5264	CHIP TA.CAP.	4.7uF	20V		TEESVA1D475M8R	K78130048		33-	A	D3
C 5265	CHIP TA.CAP.	10uF	10V		TEESVA1A106M8R	K78100028		33-	B	b5
C 5266	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		33-	A	J5
C 5267	AL.ELECTRO.CAP.	100uF	25V		UUR1E101MCL1GS	K48140020		33-	B	h2
C 5268	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		33-	B	c4
C 5269	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		33-	B	e4
C 5270	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		33-	B	b4
C 5271	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		33-	B	d4
C 5272	CHIP CAP.	4.7uF	6.3V	B	JMK212BJ475KG-T	K22080804		33-	A	F3
C 5273	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		33-	B	j4
C 5274	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		33-	B	i4
C 5275	CHIP CAP.	100pF	50V	CH	GRM1552C1H101JD01D	K22178236		33-	A	I5
C 5276	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		33-	B	b4
C 5277	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		33-	B	d4
C 5278	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		33-	A	I4
C 5279	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		33-	B	d4
C 5280	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		33-	B	j4
C 5281	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		33-	B	b4
C 5282	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		33-	A	F3
C 5283	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		33-	B	e4
C 5284	CHIP CAP.	8pF	50V	CH	GRM1552C1H8R0DZ01D	K22178210		33-	A	B4
C 5286	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		33-	B	i2
C 5287	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		33-	B	d3
C 5288	CHIP CAP.	8pF	50V	CH	GRM1552C1H8R0DZ01D	K22178210		33-	A	B4
C 5289	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		33-	B	j4
C 5290	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		33-	A	D3
C 5291	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		33-	A	D3
C 5292	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		33-	A	I5
C 5293	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		33-	B	a4
C 5294	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		33-	A	D3
C 5295	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		33-	B	j4
C 5296	CHIP CAP.	1uF	10V	B	ECJ1VB1A105K	K22104806		33-	A	I5
C 5296	CHIP CAP.	1uF	10V	B	GRM188B11A105KA61D	K22104808		54-	A	I5
C 5297	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		33-	B	i2
C 5298	CHIP CAP.	4.7uF	6.3V	B	JMK212BJ475KG-T	K22080804		33-	A	D3
C 5299	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		33-	B	i4
C 5300	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		33-	B	d4
C 5301	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		33-	B	b5
C 5302	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		33-	B	d4
C 5303	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		33-	B	j5
C 5304	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		33-	A	B5
C 5305	CHIP CAP.	820pF	50V	B	GRM155B11H821KA01D	K22178808		33-	B	b5
C 5306	CHIP CAP.	0.0047uF	50V	B	GRM155B11H472KA01D	K22178838		33-	A	I5
C 5307	CHIP TA.CAP.	10uF	10V		TEESVA1A106M8R	K78100028		33-	B	d4
C 5308	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		33-	B	d4
C 5309	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		33-	B	j5
C 5310	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		33-	B	d4
C 5311	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		33-	A	B5
C 5312	CHIP CAP.	820pF	50V	B	GRM155B11H821KA01D	K22178808		33-	B	b5
C 5313	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		33-	B	j2
C 5314	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		33-	A	J4
C 5315	CHIP CAP.	0.047uF	10V	B	GRM155B11A473KA01D	K22108801		33-	B	d4
C 5316	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		33-	B	a4
C 5317	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		33-	B	j2
C 5319	CHIP TA.CAP.	4.7uF	16V		TEESVA1C475M8R	K78120031		33-	B	c5
C 5321	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		33-	B	b5
C 5323	CHIP CAP.	100pF	50V	CH	GRM1552C1H101JD01D	K22178236		33-	B	i2
C 5324	CHIP CAP.	0.0015uF	50V	B	GRM155B11H152KA01D	K22178811		33-	B	b5
C 5326	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		33-	B	b5
C 5327	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802	VTX(USA)	33-79	B	f5

Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
C 5327	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		80-	B	f5
C 5328	CHIP CAP.	22pF	50V	CH	GRM1552C1H220JZ01D	K22178220	VTX(USA)	33-79	B	f5
C 5328	CHIP CAP.	22pF	50V	CH	GRM1552C1H220JZ01D	K22178220		80-	B	f5
C 5329	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		33-	B	b5
C 5330	CHIP CAP.	100pF	50V	CH	GRM1552C1H101JD01D	K22178236		33-	A	B2
C 5331	CHIP CAP.	100pF	50V	CH	GRM1552C1H101JD01D	K22178236		33-	B	i1
C 5333	CHIP CAP.	22pF	50V	CH	GRM1552C1H220JZ01D	K22178220	VTX(USA)	33-79	B	g5
C 5333	CHIP CAP.	22pF	50V	CH	GRM1552C1H220JZ01D	K22178220		80-	B	g5
C 5335	CHIP CAP.	100pF	50V	CH	GRM1552C1H101JD01D	K22178236		33-	B	j1
C 5337	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		33-	A	C3
C 5341	CHIP CAP.	0.022uF	16V	B	GRM155B11C223KA01D	K22128806		33-	A	G5
C 5342	CHIP CAP.	4.7uF	6.3V	B	JMK212BJ475KG-T	K22080804		33-	A	C5
C 5343	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834	VTX(USA)	33-79	B	f4
C 5343	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		80-	B	f4
C 5344	CHIP CAP.	0.022uF	16V	B	GRM155B11C223KA01D	K22128806	VTX(USA)	33-59	B	f5
C 5344	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834	VTX(USA)	60-79	B	f5
C 5344	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		80-	B	f5
C 5345	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		33-	A	B4
C 5350	CHIP CAP.	100pF	50V	CH	GRM1552C1H101JD01D	K22178236		33-	A	A5
C 5351	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		33-	A	G5
C 5352	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		33-	A	G5
C 5353	CHIP CAP.	4.7uF	6.3V	B	JMK212BJ475KG-T	K22080804		33-	B	d5
C 5354	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		33-	B	d5
C 5355	CHIP TA.CAP.	0.1uF	35V		TEESVA1V104M8R	K78160025		33-	A	F4
C 5356	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		33-	A	H5
CD5001	CERAMIC DISC				JTBC450C7	H7901500		33-	B	b5
CF5001	CERAMIC FILTER				LTM450EW	H3900574		33-90	A	J4
CF5001	CERAMIC FILTER				LTM450EW-A	H3900574A		91-	A	J4
CF5002	CERAMIC FILTER				LTM450GW	H3900573		33-90	A	J4
CF5002	CERAMIC FILTER				LTM450GW-A	H3900573A		91-	A	J4
D 5001	DIODE				RLS135 TE-11	G2070128		33-94	B	b2
D 5001	DIODE				RKP350KV	G2071356		95-	B	b2
D 5002	SURGE ABSORBER				P6KE27-MT25	Q9000854		33-94	A	C1
D 5003	DIODE				1SV323(TPH3.F)	G2071006		33-	B	a3
D 5004	DIODE				1SV323(TPH3.F)	G2071006		33-	B	a3
D 5005	DIODE				1SV323(TPH3.F)	G2071006		33-	B	a3
D 5006	DIODE				1SV323(TPH3.F)	G2071006		33-	B	a3
D 5007	DIODE				HSM88AS TR-E	G2070170		33-	A	H2
D 5008	DIODE				HSM88AS TR-E	G2070170		33-	A	I2
D 5009	DIODE				MA2S1133-(TX)	G2070614		33-	B	b3
D 5011	DIODE				MA2S1133-(TX)	G2070614		33-	A	J2
D 5012	DIODE				MA2S1133-(TX)	G2070614		33-	A	F3
D 5013	DIODE				UDZS TE-17 6.8B	G2070888		33-	A	B5
D 5014	DIODE				UDZS TE-17 6.8B	G2070888		33-	A	B5
D 5015	DIODE				MAZ816000L	G2071120		33-86	A	A5
D 5015	DIODE				DZ2J16000L	G2071334		87-	A	A5
D 5016	DIODE				MA2S1133-(TX)	G2070614		33-	A	J2
D 5017	DIODE				UDZS TE-17 6.8B	G2070888		33-	A	B5
D 5018	DIODE				MA2S1133-(TX)	G2070614		33-	A	J2
D 5019	DIODE				MA2S1133-(TX)	G2070614		33-	B	i5
D 5020	DIODE				DAN222 TL	G2070174		33-	B	e2
D 5021	DIODE				DAN217U T106	G2071236		33-	B	i4
D 5022	DIODE				MA2S1133-(TX)	G2070614		33-	B	i5
D 5023	DIODE				HVC383B TRF-E	G2070922		33-	B	e3
D 5024	DIODE				MA2S1133-(TX)	G2070614		33-	B	f3
D 5025	DIODE				1SV325(TPH3.F)	G2070848		33-	B	f4
D 5026	DIODE				HVC376B TRF-E	G2071122		33-	B	e4
D 5027	DIODE				DAN217U T106	G2071236		33-	B	c4
D 5028	DIODE				1SV325(TPH3.F)	G2070848		33-	B	f4
D 5029	DIODE				1SV325(TPH3.F)	G2070848		33-	B	f4
D 5030	DIODE				1SV325(TPH3.F)	G2070848		33-	B	e4
D 5031	DIODE				1SV325(TPH3.F)	G2070848		33-	B	f4
D 5032	DIODE				1SV325(TPH3.F)	G2070848		33-	B	f4
D 5033	DIODE				HSC277TRF-E	G2070584		33-	B	e3
D 5034	DIODE				HSC277TRF-E	G2070584		33-	B	e3
D 5035	DIODE				DAN222 TL	G2070174		33-	B	a4
D 5036	DIODE				MA2S1133-(TX)	G2070614		33-	A	D3
D 5037	DIODE				HSC277TRF-E	G2070584		33-	B	e3
D 5038	DIODE				HSC277TRF-E	G2070584		33-	B	e3
D 5039	DIODE				DAN222 TL	G2070174		33-	B	a4
D 5041	DIODE				DAN217U T106	G2071236		33-	B	j4
D 5042	DIODE				DAN217U T106	G2071236		33-	A	J5
D 5043	DIODE				MA2S1133-(TX)	G2070614		33-	B	i4
D 5044	DIODE				MA2S1133-(TX)	G2070614		33-	B	j5

MAIN-2 Unit (50 W: Lot. 33 ~)

Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
D 5045	DIODE				MA2S1133-(TX)	G2070614		33-	B	d4
D 5046	DIODE				DAN217U T106	G2071236		33-	B	i1
D 5047	DIODE				DAN217U T106	G2071236		33-	B	b5
D 5048	DIODE				DAN217U T106	G2071236		33-	B	b5
D 5049	DIODE				MAZ816000L	G2071120		33-86	B	j1
D 5049	DIODE				DZ2J16000L	G2071334		87-	B	j1
D 5050	DIODE				MAZ816000L	G2071120		33-86	A	A1
D 5050	DIODE				DZ2J16000L	G2071334		87-	A	A1
D 5051	DIODE				MAZ816000L	G2071120		33-86	A	B1
D 5051	DIODE				DZ2J16000L	G2071334		87-	A	B1
D 5052	DIODE				MAZ816000L	G2071120		33-86	A	B1
D 5052	DIODE				DZ2J16000L	G2071334		87-	A	B1
D 5053	DIODE				DAN217U T106	G2071236		33-	B	i1
D 5054	DIODE				DAN217U T106	G2071236		33-	B	j1
D 5055	DIODE				MAZ816000L	G2071120		33-86	A	B1
D 5055	DIODE				DZ2J16000L	G2071334		87-	A	B1
D 5056	DIODE				MAZ816000L	G2071120		33-86	B	j1
D 5056	DIODE				DZ2J16000L	G2071334		87-	B	j1
D 5057	DIODE				MAZ816000L	G2071120		33-86	A	A1
D 5057	DIODE				DZ2J16000L	G2071334		87-	A	A1
D 5058	DIODE				MAZ816000L	G2071120		33-86	A	B2
D 5058	DIODE				DZ2J16000L	G2071334		87-	A	B2
D 5059	DIODE				MAZ816000L	G2071120		33-86	A	B1
D 5059	DIODE				DZ2J16000L	G2071334		87-	A	B1
D 5060	DIODE				DAN217U T106	G2071236		33-	A	E4
D 5061	DIODE				DAN217U T106	G2071236		33-	A	F3
D 5062	DIODE				MA2S1133-(TX)	G2070614	VTX(USA)	33-79	B	f4
D 5062	DIODE				MA2S1133-(TX)	G2070614		80-	B	f4
D 5063	DIODE				UDZS TE-17 6.8B	G2070888		33-	B	h3
D 5064	DIODE				UDZS TE-17 6.8B	G2070888		33-	B	j2
D 5065	DIODE				L709CER	G2071124		33-72	B	b1
D 5065	DIODE				MA4P959	G2071320		73-92	B	b1
D 5065	DIODE				L709CER	G2071124		93-	B	b1
D 5066	DIODE				L709CER	G2071124		33-72	B	b1
D 5066	DIODE				MA4P959	G2071320		73-92	B	b1
D 5066	DIODE				L709CER	G2071124		93-	B	b1
F 5001	CHIP FUSE	1.25A			FCC16 132ABTP	Q0000109		33-	A	B2
J 5003	CONNECTOR				18FLT-SM2-TB(LF)(SN)(M)	P1091176		33-	A	C5
J 5004	CONNECTOR				657PCB-HIL(N)	P1091290A		33-	B	j6
J 5005	CONNECTOR				AXK6S40535P	P0091209		33-	A	D4
J 5006	CONNECTOR				AE0195-00E	P1091177		33-	B	j1
JP5001	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		33-	A	B1
JP5002	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		33-	A	A1
JP5003	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		33-	A	B1
JP5004	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		33-	A	B1
JP5005	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		33-	A	A1
JP5006	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		33-	A	B1
L 5001	COIL	0.056uH			AS050635-56N	L0022813		33-	B	b2
L 5002	COIL	0.047uH			AS0308233-47NJ	L0022824		33-	B	b2
L 5003	COIL	0.033uH			AS1005-33NK	L0022546		33-	B	a2
L 5004	COIL	0.033uH			AS1005-33NK	L0022546		33-	B	b2
L 5005	COIL	0.033uH			AS1005-33NK	L0022546		33-	B	b2
L 5006	CHIP COIL	0.068uH			LQW2BHN68NJ03L	L1690605		33-	B	a3
L 5008	COIL	0.212uH			AS051047-212N	L0022834		33-	A	G2
L 5009	CHIP COIL	0.068uH			LQW2BHN68NJ03L	L1690605		33-	B	a3
L 5010	M.RFC	0.22uH			HK1608 R22J-T	L1690940		33-	B	b3
L 5011	CHIP COIL	0.082uH			LQW2BHN82NJ03L	L1690619		33-	B	b3
L 5012	M.RFC	0.22uH			HK1608 R22J-T	L1690940		33-	B	f2
L 5013	CHIP COIL	0.082uH			LQW2BHN82NJ03L	L1690619		33-	B	c3
L 5014	CHIP COIL	0.082uH			LQW2BHN82NJ03L	L1690619		33-	B	c3
L 5015	CHIP COIL	0.082uH			LQW2BHN82NJ03L	L1690619		33-	B	c3
L 5016	M.RFC	0.22uH			HK1608 R22J-T	L1690940		33-	B	e2
L 5017	M.RFC	0.22uH			HK1608 R22J-T	L1690940		33-	B	e2
L 5018	M.RFC	0.12uH			HK1608 R12J-T	L1690937		33-	B	c3
L 5019	M.RFC	0.082uH			HK1608 82NJ-T	L1690527		33-	B	d3
L 5020	M.RFC	0.047uH			HK1608 47NJ-T	L1690524		33-	B	e3
L 5021	M.RFC	1uH			LK1608 1R0K-T	L1690687		33-	B	e2
L 5022	M.RFC	0.82uH			LK1608 R82K-T	L1690417		33-	A	H4
L 5023	M.RFC	0.22uH			HK1608 R22J-T	L1690940		33-	B	e3
L 5024	M.RFC	1uH			LK1608 1R0K-T	L1690687		33-	B	e3
L 5025	M.RFC	0.39uH		2%	C1608CB-R39G-RF	L1691107		33-72	B	f3
L 5025	M.RFC	0.39uH		2%	0603HP-R39XGLW	L1691617		73-	B	f3
L 5026	M.RFC	0.39uH		2%	C1608CB-R39G-RF	L1691107		33-72	B	f3
L 5026	M.RFC	0.39uH		2%	0603HP-R39XGLW	L1691617		73-	B	f3

Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
L 5027	CHIP COIL	0.047uH		2%	C2520C-47NG-RA	L1691290		33-72	B	f4
L 5027	M.RFC	0.047uH		2%	1008HQ-47NXGLC	L1691705		73-	B	f4
L 5028	CHIP COIL	0.033uH		2%	C2520C-33NG-RA	L1691288		33-72	B	e4
L 5028	M.RFC	0.033uH		2%	1008HQ-33NXGLC	L1691703		73-	B	e4
L 5029	M.RFC	0.39uH			LK1608 R39K-T	L1690413		33-80	B	e4
L 5029	M.RFC	0.39uH		2%	0603HP-R39XGLW	L1691617		81-	B	e4
L 5030	M.RFC	1uH			LK1608 1R0K-T	L1690687		33-	B	c4
L 5031	M.RFC	0.22uH			HK1608 R22J-T	L1690940		33-	B	f3
L 5032	M.RFC	0.22uH			HK1608 R22J-T	L1690940		33-	B	f4
L 5033	M.RFC	0.22uH			HK1608 R22J-T	L1690940		33-	B	f4
L 5034	M.RFC	0.22uH			HK1608 R22J-T	L1690940		33-	B	f4
L 5035	M.RFC	0.15uH			HK1608 R15J-T	L1690938		33-	B	b4
L 5036	M.RFC	0.056uH			HK1608 56NJ-T	L1690525		33-	B	e3
L 5037	M.RFC	0.047uH			HK1608 47NJ-T	L1690524		33-	B	e3
L 5038	M.RFC	0.056uH			HK1608 56NJ-T	L1690525		33-	B	e3
L 5039	M.RFC	0.047uH			HK1608 47NJ-T	L1690524		33-	B	e3
L 5040	CHIP COIL	10uH			LQH32MN100K23L	L1690087		33-	A	B3
L 5041	CHIP COIL	100uH			LQH32MN101K23L	L1690099	VTX(USA)	33-79	B	f5
L 5041	CHIP COIL	100uH			LQH32MN101K23L	L1690099		80-	B	f5
Q 5001	TRANSISTOR				DTC144EE TL	G3070075		33-	B	i3
Q 5002	TRANSISTOR				DTC144EE TL	G3070075		33-	B	i3
Q 5003	IC				TDA1519CTH	G1093778		33-	B	j3
Q 5004	IC				SN74LV4053APWR	G1093870		33-	A	D5
Q 5005	IC				SN74LV4053APWR	G1093870		33-	A	F4
Q 5006	IC				NJM7808DL1A-TE1	G1093802		33-	A	C3
Q 5007	TRANSISTOR				2SC3356-T1B R24	G3333568D		33-	B	b3
Q 5008	FET				MTM231230L	G3070357		33-	A	C2
Q 5009	IC				S-AV32A(VX.Q)	G1094677		33-	A	D1
Q 5010	TRANSISTOR				DTC144EE TL	G3070075		33-	B	h2
Q 5011	FET				MTM231230L	G3070357		33-	A	F3
Q 5012	FET				MTM231230L	G3070357		33-	A	F3
Q 5013	TRANSISTOR				UMG2N TR	G3070088		33-	A	F3
Q 5014	IC				M62364FP 600D	G1093033		33-	A	F5
Q 5015	TRANSISTOR				2SC3357-T1 RF	G3333578F		33-	B	f2
Q 5016	TRANSISTOR				DTC144EE TL	G3070075		33-	A	G3
Q 5017	TRANSISTOR				DTC144EE TL	G3070075		33-	A	J2
Q 5018	TRANSISTOR				2SC4617 TL R	G3346178R		33-	B	j5
Q 5019	TRANSISTOR				2SC4617 TL R	G3346178R		33-	B	i5
Q 5020	TRANSISTOR				2SC4617 TL R	G3346178R		33-	B	i5
Q 5021	TRANSISTOR				DTC144EE TL	G3070075		33-	B	i5
Q 5022	TRANSISTOR				DTA124EE TL	G3070116		33-	B	i5
Q 5023	TRANSISTOR				2SC5226-4-TL	G3352268D		33-	B	e2
Q 5024	TRANSISTOR				2SC5226-4-TL	G3352268D		33-	B	e2
Q 5025	FET				3SK293(TE85L,F)	G4802938		33-	A	H3
Q 5026	TRANSISTOR				DTC144EE TL	G3070075		33-	A	F5
Q 5027	TRANSISTOR				2SC5226-4-TL	G3352268D		33-	B	e3
Q 5028	TRANSISTOR				DTC143EE TL	G3070114		33-	B	f3
Q 5029	FET				2SK508-T1B-A K52	G3805088B		33-	B	f3
Q 5030	TRANSISTOR				DTC143EE TL	G3070114		33-	B	f3
Q 5031	TRANSISTOR				2SC3356-T1B R24	G3333568D		33-	B	e3
Q 5032	TRANSISTOR				2SC4617 TL R	G3346178R		33-	B	f3
Q 5033	TRANSISTOR				2SC5226-4-TL	G3352268D		33-	B	c4
Q 5034	IC				BH2220FVM-TR	G1094269		33-	A	G3
Q 5035	IC				TAR5S35(TE85L.F)	G1093939		33-	A	E4
Q 5036	IC				NJM2591V-TE1	G1094024		33-	B	b4
Q 5037	FET				2SK880GR(TE85R.F)	G3808807G		33-	B	d4
Q 5038	TRANSISTOR				XN15033-(TX)	G3070149		33-	A	F3
Q 5039	TRANSISTOR				2SB1201S-TL	G3070195		33-	A	E3
Q 5040	IC				NJM12902V-TE1	G1093592		33-	A	H5
Q 5041	TRANSISTOR				DTC144EE TL	G3070075		33-	A	J5
Q 5042	IC				NJM12902V-TE1	G1093592		33-	A	G5
Q 5043	IC				NJM12902V-TE1	G1093592		33-	A	E5
Q 5044	IC				SN74LV4066APWR	G1093871		33-	B	e5
Q 5045	IC				NJM12902V-TE1	G1093592		33-	A	I5
Q 5046	IC				NJM12902V-TE1	G1093592		33-	A	D5
Q 5047	IC				NJM12902V-TE1	G1093592		33-	B	c5
Q 5048	IC				NJM12902V-TE1	G1093592		33-	A	J2
Q 5049	IC				NJM12902V-TE1	G1093592		33-	A	I5
Q 5050	FET				2SK397300L	G3839738		33-	A	B2
Q 5051	IC				S-80835CNMC-B8U-T2-G	G1093606		33-	B	j4
Q 5052	IC				TAR5S50(TE85L.F)	G1093914		33-	A	D3
Q 5053	TRANSISTOR				DTC144EE TL	G3070075		33-	A	B2
Q 5054	IC				ADF4111BRUZ-RL7	G1094342		33-	B	d4
Q 5055	FET				2SK397300L	G3839738		33-	A	B1

MAIN-2 Unit (50 W: Lot. 33 ~)

Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
Q 5056	TRANSISTOR				2SC4617 TL R	G3346178R		33-	B	j4
Q 5057	TRANSISTOR				DTC144EE TL	G3070075		33-	A	B2
Q 5058	TRANSISTOR				DTC114TE TL	G3070225		33-	A	B3
Q 5059	TRANSISTOR				DTC144EE TL	G3070075		33-	B	a4
Q 5060	FET				2SK397300L	G3839738		33-	A	A1
Q 5061	IC				BR93L66RFVM-WTR	G1093874		33-	A	B4
Q 5062	TRANSISTOR				DTC144EE TL	G3070075		33-	A	A2
Q 5063	FET				2SK397300L	G3839738		33-	A	A2
Q 5064	TRANSISTOR				DTC144EE TL	G3070075		33-	A	B2
Q 5065	IC				LC87F5CC8A-F57T0-E	G1094343		33-	A	B4
Q 5066	TRANSISTOR				DTC144EE TL	G3070075		33-	B	i1
Q 5067	TRANSISTOR				DTC144EE TL	G3070075		33-	A	I4
Q 5068	IC				LC73881M-TLM-E	G1092755	VTX(USA)	33-79	B	g5
Q 5068	IC				LC73881M-TLM-E	G1092755		80-	B	g5
Q 5069	TRANSISTOR				DTC144EE TL	G3070075	VTX(USA)	33-79	B	g5
Q 5069	TRANSISTOR				DTC144EE TL	G3070075		80-83	B	g5
Q 5069	TRANSISTOR				DTC114TE TL	G3070225		84-	B	g5
Q 5070	FET				2SK397300L	G3839738		33-	A	B2
Q 5072	TRANSISTOR				DTA124EE TL	G3070116		33-	A	J5
Q 5073	TRANSISTOR				DTC144EE TL	G3070075		33-	B	g5
R 5001	CHIP RES.	12k	1/16W	5%	RMC1/16S 123JTH	J24189038		33-	B	i3
R 5002	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		33-	A	C4
R 5003	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		33-	B	i3
R 5004	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		33-	A	G2
R 5005	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		33-	A	C5
R 5006	CHIP RES.	470k	1/16W	5%	RMC1/16S 474JTH	J24189057		33-	A	C5
R 5007	CHIP RES.	100	1W	5%	RMC1 101JTE	J24305101		33-	A	G3
R 5008	CHIP RES.	470k	1/16W	5%	RMC1/16S 474JTH	J24189057		33-	A	C4
R 5009	CHIP RES.	270k	1/16W	5%	RMC1/16S 274JTH	J24189054		33-	A	C4
R 5010	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		33-	B	a3
R 5011	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		33-	A	I2
R 5012	CHIP RES.	100	1/4W	5%	RMC1/4 101JATP	J24245101		33-	A	H2
R 5013	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		33-	A	C5
R 5014	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		33-	A	C4
R 5015	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		33-	B	i3
R 5016	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		33-	A	H2
R 5017	CHIP RES.	27k	1/16W	5%	RMC1/16S 273JTH	J24189042		33-	B	i3
R 5018	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		33-	B	a3
R 5019	CHIP RES.	560	1/16W	5%	RMC1/16S 561JTH	J24189022		33-	A	B2
R 5021	CHIP RES.	100	1/4W	5%	RMC1/4 101JATP	J24245101		33-	A	H2
R 5022	CHIP RES.	270k	1/16W	5%	RMC1/16S 274JTH	J24189054		33-	A	D5
R 5023	CHIP RES.	120k	1/16W	5%	RMC1/16S 124JTH	J24189050		33-41	A	E5
R 5023	CHIP RES.	150k	1/16W	5%	RMC1/16S 154JTH	J24189051		42-	A	E5
R 5024	CHIP RES.	3.3k	1/16W	5%	RMC1/16S 332JTH	J24189031		33-	A	H3
R 5025	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		33-	A	E5
R 5026	CHIP RES.	3.3k	1/16W	5%	RMC1/16S 332JTH	J24189031		33-	A	I2
R 5027	CHIP RES.	2.7k	1/16W	5%	RMC1/16S 272JTH	J24189030		33-	A	H3
R 5028	CHIP RES.	2.7k	1/16W	5%	RMC1/16S 272JTH	J24189030		33-	A	I2
R 5029	CHIP RES.	220k	1/16W	5%	RMC1/16S 224JTH	J24189053		33-	A	I2
R 5030	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		33-	A	J2
R 5031	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		33-	B	b3
R 5032	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		33-	B	b3
R 5033	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		33-	B	b3
R 5034	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		33-	A	D5
R 5035	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		33-	A	K2
R 5036	CHIP RES.	8.2k	1/16W	5%	RMC1/16S 822JTH	J24189036		33-	A	E5
R 5037	CHIP RES.	220k	1/16W	5%	RMC1/16S 224JTH	J24189053		33-	A	G5
R 5038	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		33-	A	G5
R 5039	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		33-	B	b3
R 5041	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		33-	A	J2
R 5042	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		33-	B	h2
R 5043	CHIP RES.	5.6k	1/16W	5%	RMC1/16S 562JTH	J24189034		33-	A	E5
R 5044	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		33-	A	G4
R 5045	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		33-	B	h2
R 5047	CHIP RES.	47	1/16W	5%	RMC1/16S 470JTH	J24189009		33-	B	b3
R 5048	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		33-	A	G5
R 5049	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		33-	A	F3
R 5050	CHIP RES.	330	1/16W	5%	RMC1/16S 331JTH	J24189019		33-	B	f2
R 5051	CHIP RES.	39k	1/16W	5%	RMC1/16S 393JTH	J24189044		33-	A	G5
R 5052	CHIP RES.	220k	1/16W	5%	RMC1/16S 224JTH	J24189053	EXPORT	33-79	A	E5
R 5052	CHIP RES.	220k	1/16W	5%	RMC1/16S 224JTH	J24189053	VTX(USA)	33-79	A	E5
R 5052	CHIP RES.	330k	1/16W	5%	RMC1/16S 334JTH	J24189055		80-	A	E5
R 5053	CHIP RES.	100	1/16W	5%	RMC1/16 101JATP	J24185101		33-	A	B5
R 5054	CHIP RES.	12	1/16W	5%	RMC1/16S 120JTH	J24189002		33-	B	f2

Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
R 5057	CHIP RES.	1M	1/16W	5%	RMC1/16S 105JTH	J24189061		33-	A	G4
R 5058	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		33-	A	J2
R 5059	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		33-	A	F3
R 5060	CHIP RES.	330	1/16W	5%	RMC1/16S 331JTH	J24189019		33-	B	f2
R 5061	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		33-	A	K2
R 5063	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		33-	A	E5
R 5065	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		33-	A	J2
R 5066	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		33-	A	F5
R 5067	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		33-	A	H5
R 5068	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		33-	A	J2
R 5069	CHIP RES.	56k	1/16W	5%	RMC1/16S 563JTH	J24189046		33-	A	K2
R 5070	CHIP RES.	39k	1/16W	5%	RMC1/16S 393JTH	J24189044		33-	A	G4
R 5071	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		33-	A	B5
R 5072	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		33-	A	F3
R 5073	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		33-	A	G5
R 5074	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		33-	A	F3
R 5075	CHIP RES.	27k	1/16W	5%	RMC1/16S 273JTH	J24189042		33-	A	I5
R 5076	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		33-	A	B5
R 5077	CHIP RES.	68	1/4W	5%	RMC1/4 680JATP	J24245680		33-	B	f2
R 5078	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		33-	A	G5
R 5079	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		33-	A	B5
R 5080	CHIP RES.	5.6k	1/16W	5%	RMC1/16S 562JTH	J24189034		33-	A	I4
R 5081	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		33-	B	f2
R 5083	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		33-	A	F3
R 5084	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		33-	B	i5
R 5085	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		33-	A	I5
R 5086	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		33-	A	F5
R 5087	CHIP RES.	8.2k	1/16W	5%	RMC1/16S 822JTH	J24189036		33-	A	I5
R 5088	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		33-	A	J2
R 5089	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		33-	A	H4
R 5090	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		33-	A	H4
R 5091	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		33-	A	F3
R 5092	CHIP RES.	150	1/16W	5%	RMC1/16S 151JTH	J24189015		33-	B	e2
R 5093	CHIP RES.	470	1/16W	5%	RMC1/16S 471JTH	J24189021		33-	B	f2
R 5094	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		33-	A	F4
R 5095	CHIP RES.	33k	1/16W	5%	RMC1/16S 333JTH	J24189043		33-46	A	E5
R 5095	CHIP RES.	39k	1/16W	5%	RMC1/16S 393JTH	J24189044		47-	A	E5
R 5096	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		33-	A	E5
R 5097	CHIP RES.	18k	1/16W	5%	RMC1/16S 183JTH	J24189040		33-	B	j5
R 5098	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		33-	B	i5
R 5099	CHIP RES.	470	1/16W	5%	RMC1/16S 471JTH	J24189021		33-	B	e2
R 5101	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		33-	B	i5
R 5102	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		33-	B	c3
R 5103	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		33-	A	I5
R 5104	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		33-	A	J3
R 5106	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		33-	B	i5
R 5108	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		33-	A	F5
R 5109	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		33-	B	i5
R 5110	CHIP RES.	27k	1/16W	5%	RMC1/16S 273JTH	J24189042		33-	A	E5
R 5112	CHIP RES.	15k	1/16W	5%	RMC1/16S 153JTH	J24189039		33-	A	I5
R 5113	CHIP RES.	39k	1/16W	5%	RMC1/16S 393JTH	J24189044		33-	A	E5
R 5114	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		33-	B	e2
R 5115	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		33-	A	F4
R 5116	CHIP RES.	150k	1/16W	5%	RMC1/16S 154JTH	J24189051		33-	A	F4
R 5117	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		33-	A	J3
R 5118	CHIP RES.	6.8k	1/16W	5%	RMC1/16S 682JTH	J24189035		33-	A	J2
R 5119	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		33-	B	e2
R 5120	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		33-	A	J3
R 5122	CHIP RES.	82k	1/16W	5%	RMC1/16S 823JTH	J24189048		33-	A	H3
R 5123	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		33-	A	I5
R 5125	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		33-	A	J3
R 5126	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		33-	A	J3
R 5127	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		33-	B	i5
R 5129	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		33-	A	H3
R 5130	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		33-	B	e2
R 5131	CHIP RES.	18	1/16W	5%	RMC1/16S 180JTH	J24189004		33-	B	e2
R 5132	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		33-	A	H5
R 5133	CHIP RES.	82k	1/16W	5%	RMC1/16S 823JTH	J24189048		33-	B	e2
R 5135	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		33-	A	H3
R 5136	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		33-	A	H3
R 5137	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		33-	A	E3
R 5138	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		33-	B	d3
R 5139	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		33-	A	H3
R 5140	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		33-	B	e3

※: Please contact Vertex Standard

MAIN-2 Unit (50 W: Lot. 33 ~)

Parts List

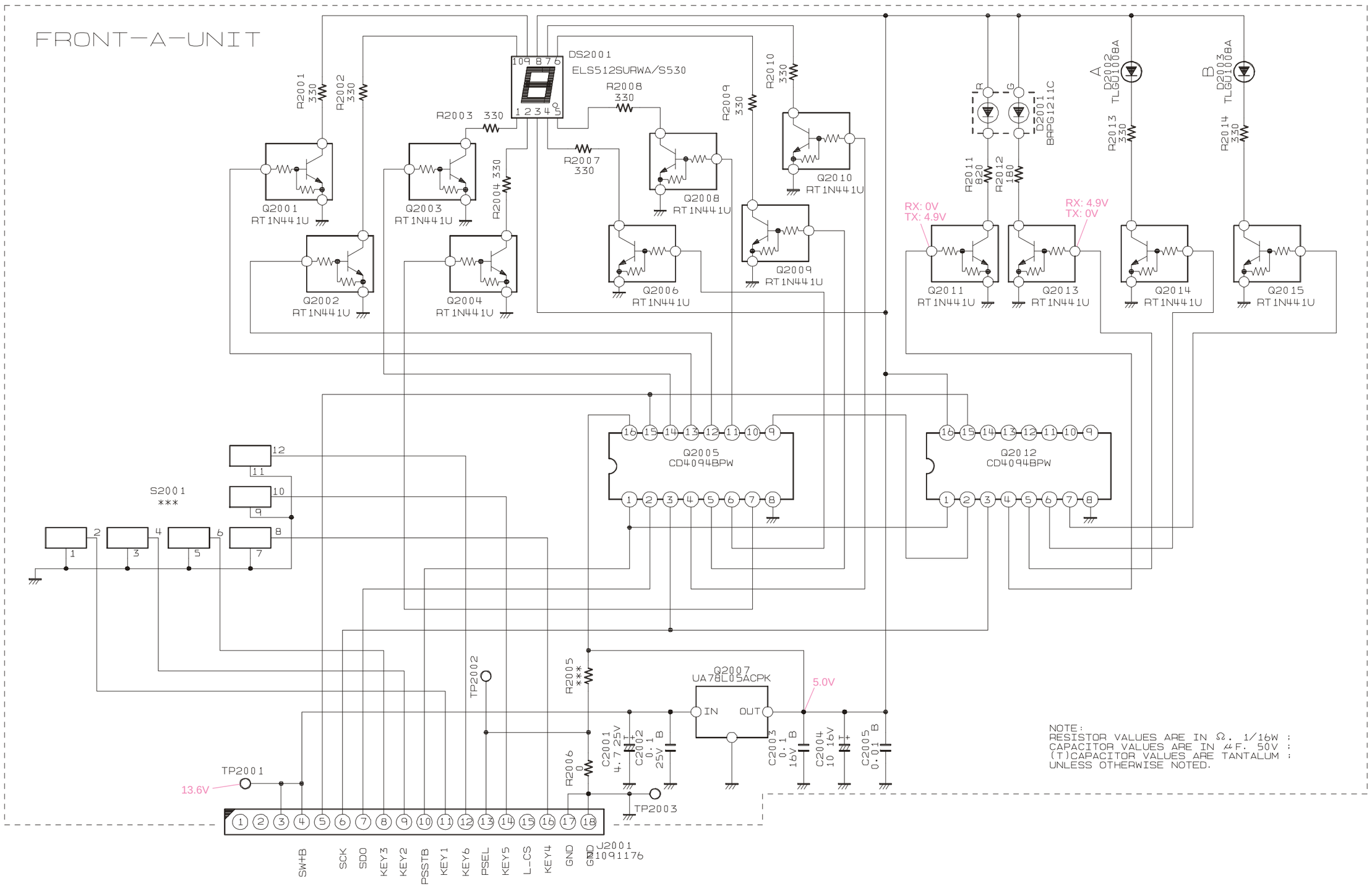
REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
R 5141	CHIP RES.	3.9k	1/16W	5%	RMC1/16S 392JTH	J24189032		33-	B	e2
R 5142	CHIP RES.	560	1/16W	5%	RMC1/16S 561JTH	J24189022		33-	B	e3
R 5143	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		33-	B	e3
R 5144	CHIP RES.	33k	1/16W	5%	RMC1/16S 333JTH	J24189043		33-	B	e3
R 5145	CHIP RES.	150k	1/16W	5%	RMC1/16S 154JTH	J24189051		33-	A	H4
R 5146	CHIP RES.	150k	1/16W	5%	RMC1/16S 154JTH	J24189051		33-	A	H4
R 5149	CHIP RES.	47	1/16W	5%	RMC1/16S 470JTH	J24189009		33-	A	H4
R 5150	CHIP RES.	47	1/16W	5%	RMC1/16S 470JTH	J24189009		33-	A	H4
R 5151	CHIP RES.	15k	1/16W	5%	RMC1/16S 153JTH	J24189039		33-	B	e3
R 5152	CHIP RES.	22	1/16W	5%	RMC1/16S 220JTH	J24189005		33-	B	d4
R 5153	CHIP RES.	220k	1/16W	5%	RMC1/16S 224JTH	J24189053		33-	A	D4
R 5154	CHIP RES.	18k	1/16W	5%	RMC1/16S 183JTH	J24189040		33-	B	f5
R 5155	CHIP RES.	270	1/16W	0.5%	RR0510P-2733-D	J24189105		33-	B	f3
R 5156	CHIP RES.	82k	1/16W	5%	RMC1/16S 823JTH	J24189048	EXPORT	33-79	A	H5
R 5156	CHIP RES.	82k	1/16W	5%	RMC1/16S 823JTH	J24189048	VTX(USA)	33-79	A	H5
R 5156	CHIP RES.	68k	1/16W	5%	RMC1/16S 683JTH	J24189047		80-	A	H5
R 5157	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		33-	A	E4
R 5158	CHIP RES.	1M	1/16W	5%	RMC1/16S 105JTH	J24189061		33-	A	D4
R 5159	CHIP RES.	180k	1/16W	5%	RMC1/16S 184JTH	J24189052		33-	A	H5
R 5160	CHIP RES.	100	1/16W	0.5%	RR0510P-1033-D	J24189095		33-	B	f3
R 5161	CHIP RES.	33k	1/16W	5%	RMC1/16S 333JTH	J24189043		33-	A	D5
R 5162	CHIP RES.	220k	1/16W	5%	RMC1/16S 224JTH	J24189053		33-	A	D5
R 5163	CHIP RES.	47	1/16W	5%	RMC1/16S 470JTH	J24189009		33-	B	e3
R 5164	CHIP RES.	3.3k	1/16W	0.5%	RR0510P-332-D	J24189131		33-	B	e3
R 5165	CHIP RES.	1k	1/16W	0.5%	RR0510P-102-D	J24189119		33-	B	f3
R 5166	CHIP RES.	560	1/16W	5%	RMC1/16S 561JTH	J24189022		33-	A	G5
R 5167	CHIP RES.	330k	1/16W	5%	RMC1/16S 334JTH	J24189055		33-	A	H5
R 5168	CHIP RES.	5.6k	1/16W	0.5%	RR0510P-562-D	J24189137		33-	B	e4
R 5170	CHIP RES.	390	1/16W	5%	RMC1/16S 391JTH	J24189020		33-	A	I4
R 5171	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		33-	A	G5
R 5172	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		33-	B	c4
R 5173	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		33-	A	G5
R 5174	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		33-	A	E5
R 5175	CHIP RES.	220k	1/16W	5%	RMC1/16S 224JTH	J24189053		33-	A	H5
R 5176	CHIP RES.	150	1/16W	5%	RMC1/16S 151JTH	J24189015		33-	B	c4
R 5177	CHIP RES.	470	1/16W	5%	RMC1/16S 471JTH	J24189021		33-	B	b4
R 5178	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		33-	B	f3
R 5179	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		33-79	A	H5
R 5179	CHIP RES.	56k	1/16W	5%	RMC1/16S 563JTH	J24189046		80-	A	H5
R 5180	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		33-	A	E5
R 5181	CHIP RES.	270	1/16W	5%	RMC1/16S 271JTH	J24189018		33-	B	c4
R 5182	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		33-	A	E3
R 5183	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		33-	A	C4
R 5184	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		33-	A	C4
R 5185	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		33-	A	H5
R 5186	CHIP RES.	820k	1/16W	5%	RMC1/16S 824JTH	J24189060		33-	B	c5
R 5187	CHIP RES.	470k	1/16W	5%	RMC1/16S 474JTH	J24189057		33-	A	G5
R 5188	CHIP RES.	3.3M	1/16W	5%	RMC1/16S 335JTH	J24189324		33-	A	H5
R 5189	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		33-	A	I5
R 5191	CHIP RES.	1.2k	1/16W	5%	RMC1/16S 122JTH	J24189026		33-	B	e3
R 5192	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		33-	A	G5
R 5193	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		33-	B	h4
R 5194	CHIP RES.	82k	1/16W	5%	RMC1/16S 823JTH	J24189048		33-	A	I5
R 5195	CHIP RES.	22	1/16W	5%	RMC1/16S 220JTH	J24189005		33-	B	f4
R 5196	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		33-	A	D4
R 5198	CHIP RES.	82k	1/16W	5%	RMC1/16S 823JTH	J24189048		33-	A	H5
R 5199	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		33-	A	D4
R 5200	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		33-	A	H5
R 5201	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		33-	A	H5
R 5202	CHIP RES.	15k	1/16W	5%	RMC1/16S 153JTH	J24189039		33-	A	H5
R 5203	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		33-	A	G5
R 5204	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		33-	A	D4
R 5205	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		33-	A	D4
R 5206	CHIP RES.	470	1/16W	5%	RMC1/16S 471JTH	J24189021		33-	A	G4
R 5207	CHIP RES.	12k	1/16W	5%	RMC1/16S 123JTH	J24189038		33-	B	a4
R 5208	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		33-	B	e4
R 5209	CHIP RES.	1.5k	1/16W	5%	RMC1/16S 152JTH	J24189027		33-	B	e4
R 5210	CHIP RES.	3.3k	1/16W	5%	RMC1/16S 332JTH	J24189031		33-	B	b4
R 5211	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		33-	B	e4
R 5212	CHIP RES.	150k	1/16W	5%	RMC1/16S 154JTH	J24189051		33-	A	J5
R 5213	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		33-	A	F3
R 5215	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		33-	A	D4
R 5216	CHIP RES.	1.8k	1/16W	5%	RMC1/16S 182JTH	J24189028		33-	A	C4
R 5217	CHIP RES.	12k	1/16W	5%	RMC1/16S 123JTH	J24189038		33-	B	a4

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
R 5218	CHIP RES.	1.5k	1/16W	5%	RMC1/16S 152JTH	J24189027		33-	B	d4
R 5219	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		33-	A	I4
R 5220	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		33-	B	e3
R 5221	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		33-	A	E3
R 5222	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		33-	A	B2
R 5223	CHIP RES.	1M	1/16W	5%	RMC1/16S 105JTH	J24189061		33-	B	d4
R 5224	CHIP RES.	330k	1/16W	5%	RMC1/16S 334JTH	J24189055		33-	B	i4
R 5225	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		33-	B	b4
R 5226	CHIP RES.	220	1/16W	5%	RMC1/16S 221JTH	J24189017		33-	B	b4
R 5227	CHIP RES.	12k	1/16W	5%	RMC1/16S 123JTH	J24189038		33-	B	a4
R 5228	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		33-	B	d4
R 5229	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		33-	A	I5
R 5230	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		33-	A	I5
R 5231	CHIP RES.	15k	1/16W	5%	RMC1/16S 153JTH	J24189039		33-	B	j4
R 5232	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		33-	B	j4
R 5233	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		33-	A	F3
R 5234	CHIP RES.	82k	1/16W	5%	RMC1/16S 823JTH	J24189048		33-	B	i4
R 5235	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		33-	A	B2
R 5236	CHIP RES.	6.8k	1/16W	5%	RMC1/16S 682JTH	J24189035		33-	B	b4
R 5237	CHIP RES.	22	1/16W	5%	RMC1/16S 220JTH	J24189005		33-	B	d3
R 5238	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		33-	A	D3
R 5239	CHIP RES.	12k	1/16W	5%	RMC1/16S 123JTH	J24189038		33-	B	a4
R 5240	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		33-	B	e4
R 5243	CHIP RES.	12k	1/16W	5%	RMC1/16S 123JTH	J24189038		33-	B	a4
R 5244	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		33-	B	j4
R 5245	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		33-	B	j4
R 5246	CHIP RES.	150k	1/16W	5%	RMC1/16S 154JTH	J24189051		33-	B	b4
R 5247	CHIP RES.	3.3k	1/16W	5%	RMC1/16S 332JTH	J24189031		33-	A	F3
R 5248	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		33-	A	A2
R 5249	CHIP RES.	180k	1/16W	5%	RMC1/16S 184JTH	J24189052		33-	B	e4
R 5250	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		33-	B	d4
R 5251	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		33-	B	d3
R 5252	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		33-	A	B1
R 5253	CHIP RES.	22	1/16W	5%	RMC1/16S 220JTH	J24189005		33-	A	I4
R 5254	CHIP RES.	470k	1/16W	5%	RMC1/16S 474JTH	J24189057		33-	B	j4
R 5255	CHIP RES.	470k	1/16W	5%	RMC1/16S 474JTH	J24189057		33-	B	j4
R 5256	CHIP RES.	12k	1/16W	5%	RMC1/16S 123JTH	J24189038		33-	B	a4
R 5257	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		33-	A	J5
R 5258	CHIP RES.	33k	1/16W	5%	RMC1/16S 333JTH	J24189043		33-	A	J5
R 5259	CHIP RES.	1M	1/16W	5%	RMC1/16S 105JTH	J24189061		33-	A	B4
R 5260	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		33-	B	j4
R 5261	CHIP RES.	330	1/16W	5%	RMC1/16S 331JTH	J24189019		33-	B	b4
R 5262	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		33-	A	B3
R 5264	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		33-	A	A2
R 5266	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		33-	B	d3
R 5267	CHIP RES.	150	1/16W	5%	RMC1/16S 151JTH	J24189015		33-	B	b5
R 5268	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		33-	A	I5
R 5269	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		33-	A	B1
R 5270	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		33-	B	j4
R 5271	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		33-	B	i4
R 5272	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		33-	B	i4
R 5273	CHIP RES.	15k	1/16W	5%	RMC1/16S 153JTH	J24189039		33-	B	j4
R 5275	CHIP RES.	390k	1/16W	5%	RMC1/16S 394JTH	J24189056		33-	A	I5
R 5276	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		33-	B	j4
R 5277	CHIP RES.	22	1/16W	5%	RMC1/16S 220JTH	J24189005		33-	B	d4
R 5279	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		33-	A	B4
R 5280	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		33-	A	A1
R 5281	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		33-	A	B4
R 5282	CHIP RES.	180k	1/16W	5%	RMC1/16S 184JTH	J24189052		33-	B	b5
R 5283	CHIP RES.	12k	1/16W	5%	RMC1/16S 123JTH	J24189038		33-	B	d4
R 5284	CHIP RES.	470	1/16W	5%	RMC1/16S 471JTH	J24189021		33-	A	B4
R 5286	CHIP RES.	470	1/16W	5%	RMC1/16S 471JTH	J24189021		33-	A	B4
R 5288	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		33-	B	d3
R 5289	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		33-	B	b5
R 5290	CHIP RES.	22	1/16W	5%	RMC1/16S 220JTH	J24189005		33-	A	G4
R 5291	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		33-	B	d3
R 5292	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		33-	B	i4
R 5293	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		33-	A	B3
R 5294	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		33-	A	B4
R 5296	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		33-	B	d3
R 5297	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		33-	A	B1
R 5298	CHIP RES.	15k	1/16W	5%	RMC1/16S 153JTH	J24189039		33-	B	c5
R 5299	CHIP RES.	5.6k	1/16W	5%	RMC1/16S 562JTH	J24189034		33-	B	c5
R 5300	CHIP RES.	33k	1/16W	5%	RMC1/16S 333JTH	J24189043		33-	A	I5

MAIN-2 Unit (50 W: Lot. 33 ~)

Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
R 5301	CHIP RES.	6.8k	1/16W	5%	RMC1/16S 682JTH	J24189035		33-	B	c5
R 5302	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		33-	B	b5
R 5303	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		33-	A	I5
R 5304	CHIP RES.	470k	1/16W	5%	RMC1/16S 474JTH	J24189057		33-	B	c5
R 5306	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		33-	B	c5
R 5307	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		33-	B	b5
R 5308	CHIP RES.	68k	1/16W	5%	RMC1/16S 683JTH	J24189047		33-	B	c5
R 5309	CHIP RES.	1M	1/16W	5%	RMC1/16S 105JTH	J24189061		33-	B	b5
R 5310	CHIP RES.	5.6k	1/16W	5%	RMC1/16S 562JTH	J24189034		33-	A	I4
R 5311	CHIP RES.	680k	1/16W	5%	RMC1/16S 684JTH	J24189059		33-	B	c5
R 5312	CHIP RES.	680k	1/16W	5%	RMC1/16S 684JTH	J24189059		33-	B	b5
R 5313	CHIP RES.	470k	1/16W	5%	RMC1/16S 474JTH	J24189057		33-	B	c5
R 5314	CHIP RES.	68k	1/16W	5%	RMC1/16S 683JTH	J24189047		33-	B	c5
R 5315	CHIP RES.	1M	1/16W	5%	RMC1/16S 105JTH	J24189061	VTX(USA)	33-79	B	g5
R 5315	CHIP RES.	1M	1/16W	5%	RMC1/16S 105JTH	J24189061		80-	B	g5
R 5316	CHIP RES.	220k	1/16W	5%	RMC1/16S 224JTH	J24189053		33-	B	c4
R 5317	CHIP RES.	1k	1/16W	5%	RMC1/16 102JATP	J24185102		33-	B	i1
R 5318	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		33-	A	B2
R 5319	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		33-	A	A1
R 5320	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		33-	A	C4
R 5321	CHIP RES.	20k	1/16W	0.5%	RR0510R-203-D	J24189150		33-	A	C4
R 5322	CHIP RES.	39k	1/16W	5%	RMC1/16S 393JTH	J24189044		33-	A	C4
R 5323	CHIP RES.	82k	1/16W	5%	RMC1/16S 823JTH	J24189048		33-	A	C4
R 5324	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		33-	A	C3
R 5325	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		33-	A	C4
R 5326	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		33-	A	C4
R 5327	CHIP RES.	20k	1/16W	0.5%	RR0510R-203-D	J24189150		33-	A	C4
R 5328	CHIP RES.	39k	1/16W	5%	RMC1/16S 393JTH	J24189044		33-	A	C4
R 5329	CHIP RES.	82k	1/16W	5%	RMC1/16S 823JTH	J24189048		33-	A	C4
R 5330	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		33-	A	B2
R 5331	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		33-	A	G5
R 5333	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045	VTX(USA)	33-79	B	f5
R 5333	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		80-	B	f5
R 5334	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		33-	A	A5
R 5335	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		33-	B	j1
R 5338	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		33-	A	I5
R 5339	CHIP RES.	1M	1/16W	5%	RMC1/16S 105JTH	J24189061		33-	A	F4
R 5340	CHIP RES.	1M	1/16W	5%	RMC1/16S 105JTH	J24189061		33-	A	E3
R 5347	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		33-	A	E4
R 5348	CHIP RES.	33k	1/16W	5%	RMC1/16S 333JTH	J24189043		33-	A	H5
R 5349	CHIP RES.	68k	1/16W	5%	RMC1/16S 683JTH	J24189047		33-	A	H5
R 5352	CHIP RES.	330	1/16W	5%	RMC1/16S 331JTH	J24189019		33-	B	i1
R 5353	CHIP RES.	330	1/16W	5%	RMC1/16S 331JTH	J24189019		33-	B	j1
SC5001	SHIELD CASE				(VCO)	RA079040A		33-		
TH5001	THERMISTOR				ERTJ0EV473J	G9090120		33-	B	e2
TH5002	THERMISTOR				ERTJ0EV473J	G9090120		33-	B	c5
VR5001	POT.				RK0971111 20KA/SW	J60800256		33-	A	A5
X 5001	XTAL HC-49SMD	11.0592MHz			FYSMD110592	H0103318		33-	A	A4
X 5002	TCXO	16.8MHz			TTS14VSB-A3 16.80MHZ	H9501100		33-	A	G4
X 5003	XTAL U3B	4.194304MHz			4.194304MHZ	H0103284	VTX(USA)	33-79	B	g5
X 5003	XTAL U3B	4.194304MHz			4.194304MHZ	H0103284		80-	B	g5
XF5001	XTAL FILTER				TF4-67EA1 67.65MHZ	H1102399		33-84	A	H4
XF5001	XTAL FILTER				MFT67P 67.650MHZ	H1102471		85-	A	H4
	LEAF SPRING					RA0824400		33-		


FRONT-A-UNIT
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ELS512SURWA/S530
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R2002 330
R2003 330
R2004 330
R2007 330
R2008 330
R2009 330
R2010 330
Q2001 RT1N441U
Q2002 RT1N441U
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Q2006 RT1N441U
Q2008 RT1N441U
Q2009 RT1N441U
Q2010 RT1N441U
D2001 BRPG1211C
R2011 820
R2012 180
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R2013 330
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R2014 330
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TX: 4.9V
RX: 4.9V
TX: 0V
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Q2013 RT1N441U
Q2014 RT1N441U
Q2015 RT1N441U
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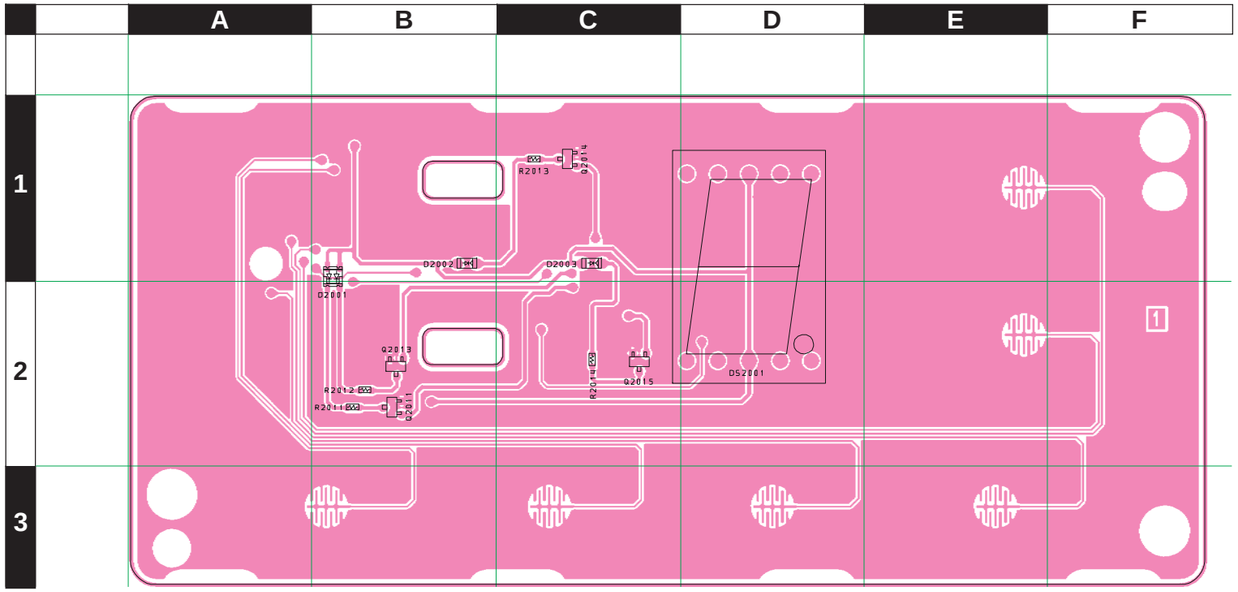
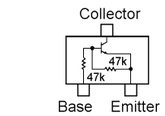
Q2012 CD4094BPW
S2001 ***
R2005 ***
R2006 0
C2001 4.7 25V T
C2002 0.1 25V B
Q2007 UA78L05ACPK
IN
OUT
5.0V
C2003 0.1 16V B
C2004 10 16V T
C2005 0.01 B
TP2001
13.6V
TP2002
TP2003
J2001 1091176
SW+B
SCK
SDO
KEY3
KEY2
PSSTB
KEY1
KEY6
PSEL
KEY5
L_CS
KEY4
GND
GND
NOTE:
RESISTOR VALUES ARE IN Ω. 1/16W :
CAPACITOR VALUES ARE IN μF. 50V :
(T)CAPACITOR VALUES ARE TANTALUM :
UNLESS OTHERWISE NOTED.

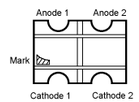
FRONT-A Unit (VX-2100)

Parts Layout (Side A)



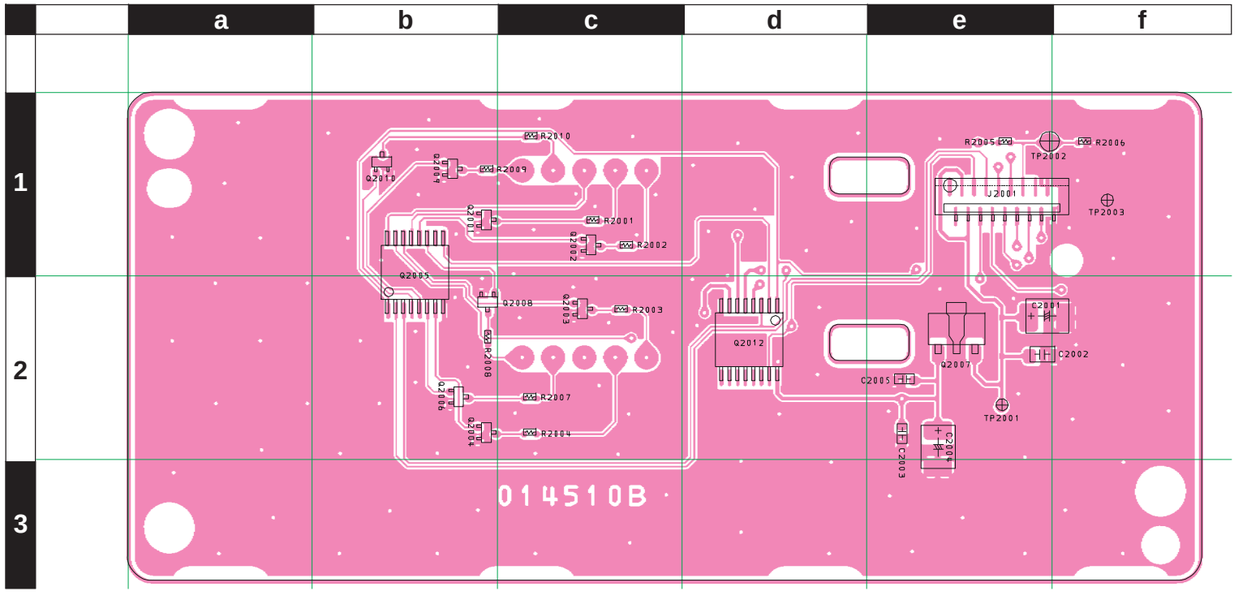


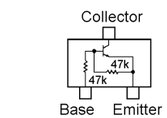
RT1N441U (N3) (Lot. 1~22)
DTC144EE (26) (Lot. 23~)
(Q2011, 2013, 2014, 2015)



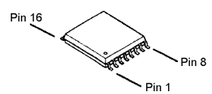
BRPG1211C
(D2001)

Parts Layout (Side B)

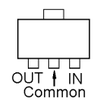




RT1N441U (N3) (Lot. 1~22)
DTC144EE (26) (Lot. 23~)
(Q2001, 2002, 2003, 2004,
2006, 2008, 2009, 2010)



CD4094BPWR
(Q2005, 2012)

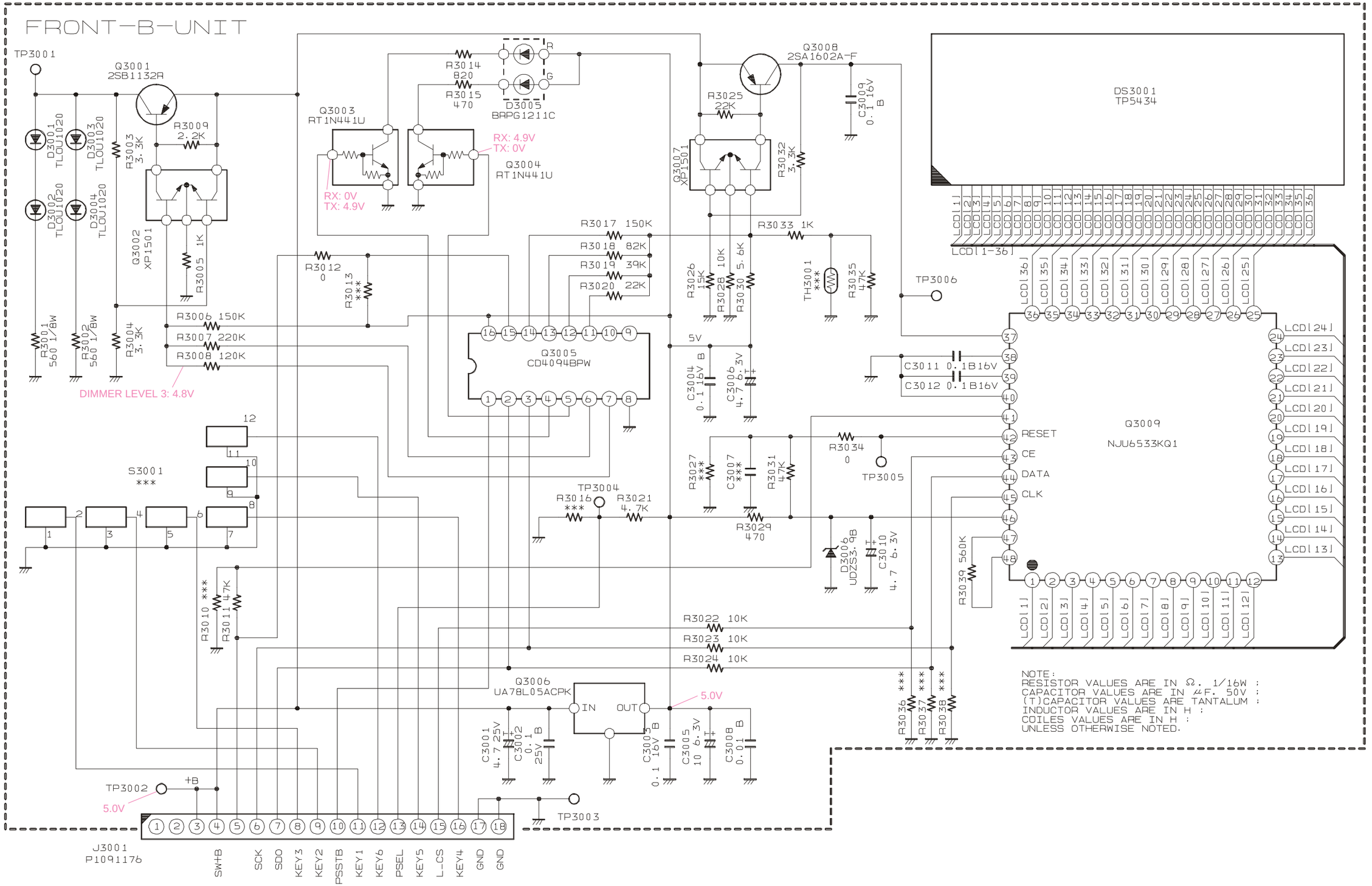


UA78L05ACPK (F5)
(Q2007)

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
	PCB with Components					CB3472001				
C 2001	CHIP TA.CAP.	4.7uF	25V		TEESVB21E475M8R	K78140019		1-	B	e2
C 2002	CHIP CAP.	0.1uF	25V	B	GRM21BB11E104KA01L	K22140811		1-	B	e2
C 2003	CHIP CAP.	0.1uF	16V	B	GRM188B11C104KA01D	K22124805		1-	B	e2
C 2004	CHIP TA.CAP.	10uF	16V		TEESVB21C106M8R	K78120025		1-	B	e2
C 2005	CHIP CAP.	0.01uF	50V	B	GRM188B11H103KA01D	K22174823		1-	B	e2
D 2001	LED				BRPG1211C-TR	G2070654		1-	A	B1
D 2002	LED				TLGU1008A(T04)	G2070956		1-	A	B1
D 2003	LED				TLGU1008A(T04)	G2070956		1-	A	C1
DS2001	LED				ELS-512SURWA/S530-A3	G2090796		1-	A	D1
J 2001	CONNECTOR				18FLT-SM2-TB(LF)(SN)(M)	P1091176		1-	B	e1
Q 2001	TRANSISTOR				RT1N441U-T11-1	G3070247		1-22	B	b1
Q 2001	TRANSISTOR				DTC144EE TL	G3070075		23-	B	b1
Q 2002	TRANSISTOR				RT1N441U-T11-1	G3070247		1-22	B	c1
Q 2002	TRANSISTOR				DTC144EE TL	G3070075		23-	B	c1
Q 2003	TRANSISTOR				RT1N441U-T11-1	G3070247		1-22	B	c2
Q 2003	TRANSISTOR				DTC144EE TL	G3070075		23-	B	c2
Q 2004	TRANSISTOR				RT1N441U-T11-1	G3070247		1-22	B	b2
Q 2004	TRANSISTOR				DTC144EE TL	G3070075		23-	B	b2
Q 2005	IC				CD4094BPWR	G1093866		1-	B	b1
Q 2006	TRANSISTOR				RT1N441U-T11-1	G3070247		1-22	B	b2
Q 2006	TRANSISTOR				DTC144EE TL	G3070075		23-	B	b2
Q 2007	IC				UA78L05ACPK	G1094156		1-69	B	e2
Q 2007	IC				UA78L05ACPKE6(TAPE)	G1094229		70-	B	e2
Q 2008	TRANSISTOR				RT1N441U-T11-1	G3070247		1-22	B	b2
Q 2008	TRANSISTOR				DTC144EE TL	G3070075		23-	B	b2
Q 2009	TRANSISTOR				RT1N441U-T11-1	G3070247		1-22	B	b1
Q 2009	TRANSISTOR				DTC144EE TL	G3070075		23-	B	b1
Q 2010	TRANSISTOR				RT1N441U-T11-1	G3070247		1-22	B	b1
Q 2010	TRANSISTOR				DTC144EE TL	G3070075		23-	B	b1
Q 2011	TRANSISTOR				RT1N441U-T11-1	G3070247		1-22	A	B2
Q 2011	TRANSISTOR				DTC144EE TL	G3070075		23-	A	B2
Q 2012	IC				CD4094BPWR	G1093866		1-	B	d2
Q 2013	TRANSISTOR				RT1N441U-T11-1	G3070247		1-22	A	B2
Q 2013	TRANSISTOR				DTC144EE TL	G3070075		23-	A	B2
Q 2014	TRANSISTOR				RT1N441U-T11-1	G3070247		1-22	A	C1
Q 2014	TRANSISTOR				DTC144EE TL	G3070075		23-	A	C1
Q 2015	TRANSISTOR				RT1N441U-T11-1	G3070247		1-22	A	C2
Q 2015	TRANSISTOR				DTC144EE TL	G3070075		23-	A	C2
R 2001	CHIP RES.	330	1/16W	5%	RMC1/16S 331JTH	J24189019		1-21	B	c1
R 2001	CHIP RES.	1.5k	1/16W	5%	RMC1/16S 152JTH	J24189027		22-	B	c1
R 2002	CHIP RES.	330	1/16W	5%	RMC1/16S 331JTH	J24189019		1-21	B	c1
R 2002	CHIP RES.	1.5k	1/16W	5%	RMC1/16S 152JTH	J24189027		22-	B	c1
R 2003	CHIP RES.	330	1/16W	5%	RMC1/16S 331JTH	J24189019		1-21	B	c2
R 2003	CHIP RES.	1.5k	1/16W	5%	RMC1/16S 152JTH	J24189027		22-	B	c2
R 2004	CHIP RES.	330	1/16W	5%	RMC1/16S 331JTH	J24189019		1-21	B	c2
R 2004	CHIP RES.	1.5k	1/16W	5%	RMC1/16S 152JTH	J24189027		22-	B	c2
R 2006	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	B	f1
R 2007	CHIP RES.	330	1/16W	5%	RMC1/16S 331JTH	J24189019		1-21	B	c2
R 2007	CHIP RES.	1.5k	1/16W	5%	RMC1/16S 152JTH	J24189027		22-	B	c2
R 2008	CHIP RES.	330	1/16W	5%	RMC1/16S 331JTH	J24189019		1-21	B	b2
R 2008	CHIP RES.	1.5k	1/16W	5%	RMC1/16S 152JTH	J24189027		22-	B	b2
R 2009	CHIP RES.	330	1/16W	5%	RMC1/16S 331JTH	J24189019		1-21	B	b1
R 2009	CHIP RES.	1.5k	1/16W	5%	RMC1/16S 152JTH	J24189027		22-	B	b1
R 2010	CHIP RES.	330	1/16W	5%	RMC1/16S 331JTH	J24189019		1-21	B	c1
R 2010	CHIP RES.	1.5k	1/16W	5%	RMC1/16S 152JTH	J24189027		22-	B	c1
R 2011	CHIP RES.	820	1/16W	5%	RMC1/16S 821JTH	J24189024		1-	A	B2
R 2012	CHIP RES.	180	1/16W	5%	RMC1/16S 181JTH	J24189016		1-	A	B2
R 2013	CHIP RES.	330	1/16W	5%	RMC1/16S 331JTH	J24189019		1-	A	C1
R 2014	CHIP RES.	330	1/16W	5%	RMC1/16S 331JTH	J24189019		1-	A	C2
Z 2001	HOLDER				(LG)	RA0787500		1-4		
Z 2001	HOLDER				(LG)	RA078750A		5-		
Z 2002	LIGHT GUIDE				(8ch)	RA0787600		1-		

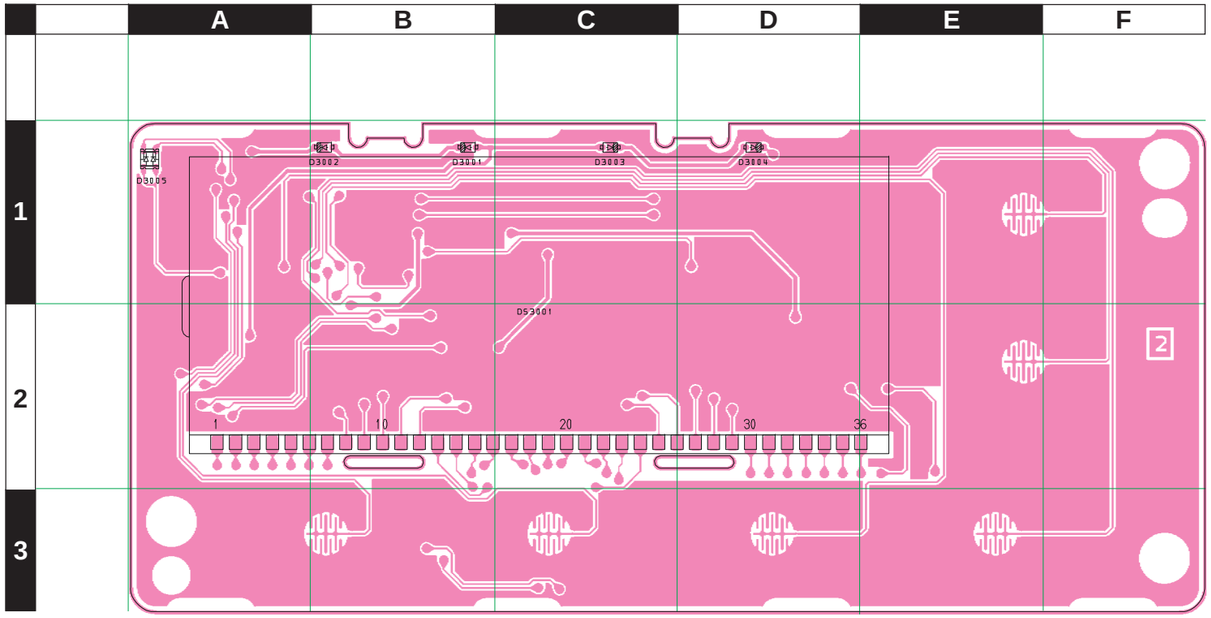
FRONT-A Unit (VX-2100)

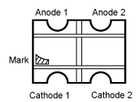
Note


FRONT-B-UNIT
TP3001
Q3001 2SB1132A
D3001 TLOU1020
D3003 TLOU1020
D3002 TLOU1020
D3004 TLOU1020
R3001 560 1/8W
R3002 560 1/8W
R3004 3.3K
R3003 3.3K
R3009 2.2K
Q3002 XP1501
R3005 1K
DIMMER LEVEL 3: 4.8V
R3006 150K
R3007 220K
R3008 120K
R3012 0
R3013 ***
R3014 820
R3015 470
D3005 BAPG1211C
R
G
Q3003 RT1N441U
Q3004 RT1N441U
RX: 4.9V
TX: 0V
RX: 0V
TX: 4.9V
R3017 150K
R3018 82K
R3019 39K
R3020 22K
Q3005 CD4094BPW
Q3008 2SA1602A-F
R3025 22K
Q3007 XP1501
R3032 3.3K
C3009 0.1 16V B
R3033 1K
R3026 15K
R3028 10K
R3030 5.6K
TH3001 ***
R3035 47K
TP3006
DS3001 TP5434
LCD[1-36]
5V
C3004 0.1 16V B
C3006 4.7 6.3V T
C3011 0.1 B16V
C3012 0.1 B16V
Q3009 NJU6533KQ1
RESET
CE
DATA
CLK
R3034 0
TP3005
R3027 ***
C3007 ***
R3031 47K
R3029 470
TP3004
R3016 ***
R3021 4.7K
D3006 UDZS3.9B
C3010 4.7 6.3V
R3039 560K
S3001 ***
R3010 ***
R3011 47K
R3022 10K
R3023 10K
R3024 10K
Q3006 UA78L05ACPK
IN
OUT
5.0V
C3001 4.7 25V T
C3002 0.1 25V B
C3003 0.1 16V B
C3005 10 6.3V T
C3008 0.01 B
R3036 ***
R3037 ***
R3038 ***
NOTE:
RESISTOR VALUES ARE IN Ω. 1/16W :
CAPACITOR VALUES ARE IN μF. 50V :
(T)CAPACITOR VALUES ARE TANTALUM :
INDUCTOR VALUES ARE IN H :
COILES VALUES ARE IN H :
UNLESS OTHERWISE NOTED.
TP3002
+B
5.0V
TP3003
J3001 P1091176
SW+B
SCK
SDO
KEY3
KEY2
PSTB
KEY1
KEY6
PSEL
KEY5
L_CS
KEY4
GND
GND

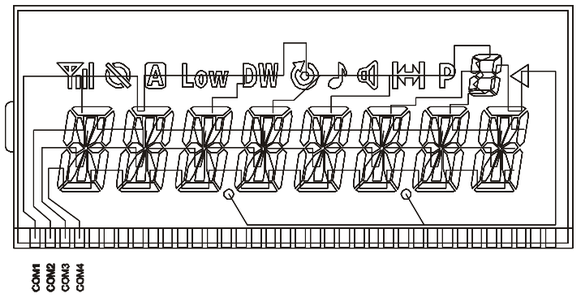
FRONT-B Unit (VX-2200)

Parts Layout (Side A)



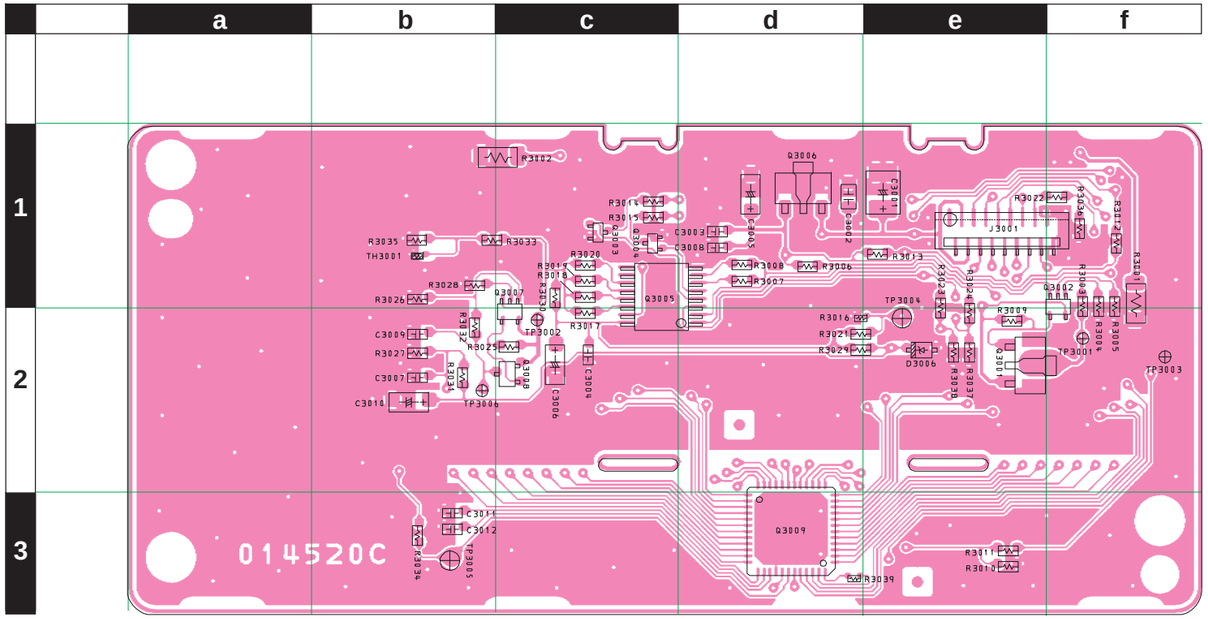


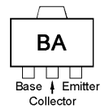
BRPG1211C
(D3005)



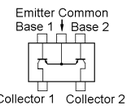
LCD
(DS3001)

Parts Layout (Side B)

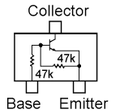




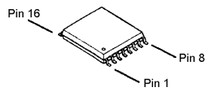
2SB1132 (BA)
(Q3001)



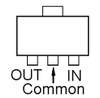
XP1501 (R5)
(Q3002, 3007)



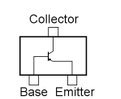
RT1N441U (N3) (Lot. 1~22)
DTC144EE (26) (Lot. 23~)
(Q3003, 3004)



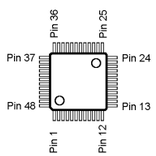
CD4094BPWR
(Q3005)



UA78L05ACPK (F5)
(Q3006)



2SA1602A (MF) (Lot. 1~15)
ISA1602AM1 (MF) (Lot. 16~22)
2SA1576A T106 R (Lot. 23~)
(Q3008)



NJU6533KQ1
(Q3009)

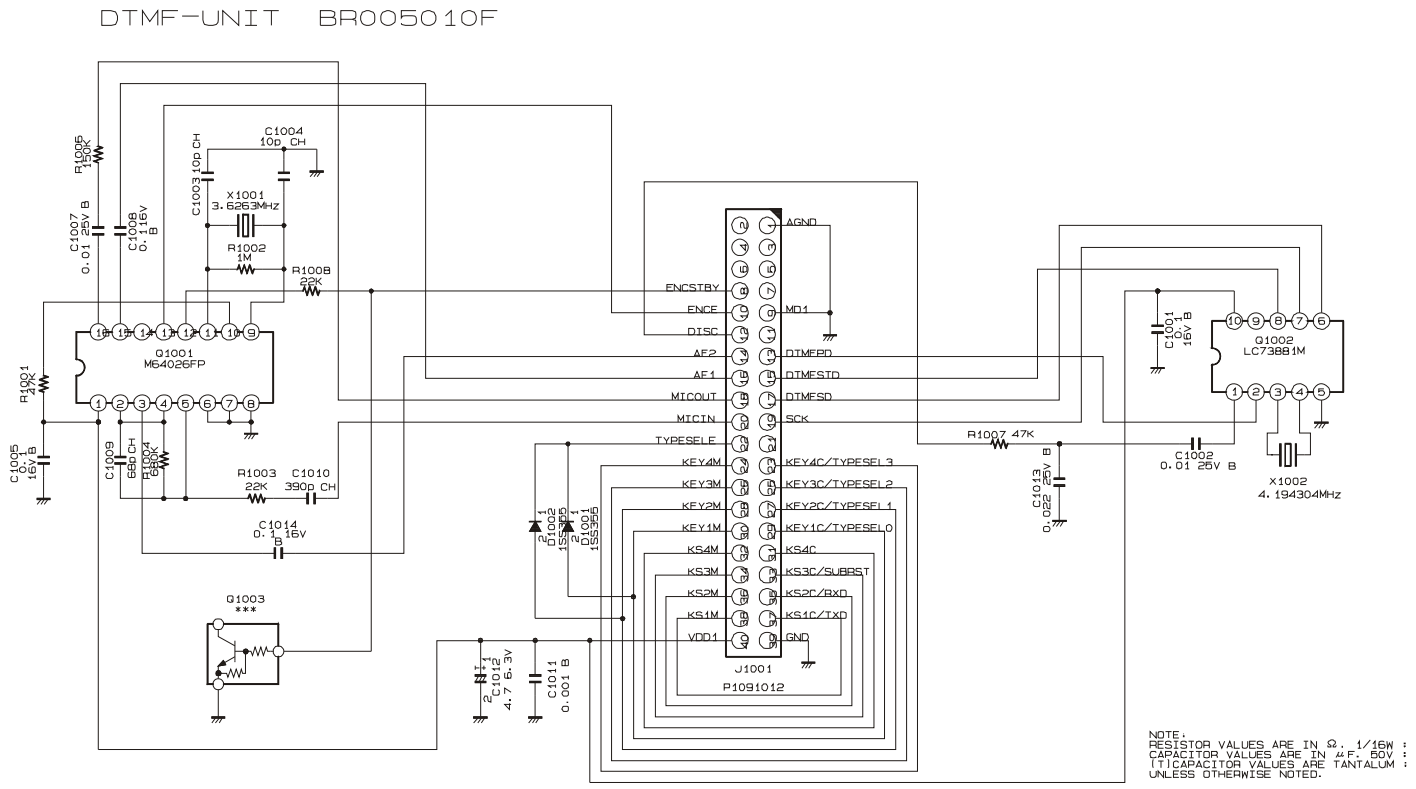
REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
	PCB with Components					CB3473001				
C 3001	CHIP TA.CAP.	4.7uF	25V		TEESVB21E475M8R	K78140019		1-	B	e1
C 3002	CHIP CAP.	0.1uF	25V	B	GRM21BB11E104KA01L	K22140811		1-	B	d1
C 3003	CHIP CAP.	0.1uF	16V	B	GRM188B11C104KA01D	K22124805		1-	B	d1
C 3004	CHIP CAP.	0.1uF	16V	B	GRM188B11C104KA01D	K22124805		1-	B	c2
C 3005	CHIP TA.CAP.	10uF	6.3V		TEESVA0J106M8R	K78080027		1-	B	d1
C 3006	CHIP TA.CAP.	4.7uF	6.3V		TEESVA0J475M8R	K78080017		1-	B	c2
C 3008	CHIP CAP.	0.01uF	50V	B	GRM188B11H103KA01D	K22174823		1-	B	d1
C 3009	CHIP CAP.	0.1uF	16V	B	GRM188B11C104KA01D	K22124805		1-	B	b2
C 3010	CHIP TA.CAP.	4.7uF	6.3V		TEESVA0J475M8R	K78080017		1-	B	b2
C 3011	CHIP CAP.	0.1uF	16V	B	GRM188B11C104KA01D	K22124805		1-	B	b3
C 3012	CHIP CAP.	0.1uF	16V	B	GRM188B11C104KA01D	K22124805		1-	B	b3
D 3001	LED				TLOU1020(T14.F)	G2070990		1-	A	B1
D 3002	LED				TLOU1020(T14.F)	G2070990		1-	A	B1
D 3003	LED				TLOU1020(T14.F)	G2070990		1-	A	C1
D 3004	LED				TLOU1020(T14.F)	G2070990		1-	A	D1
D 3005	LED				BRPG1211C-TR	G2070654		1-	A	A1
D 3006	DIODE				UDZS TE-17 3.9B	G2070906		1-	B	e2
DS3001	LCD				TP5434 (AC061)	G6090173		1-	A	C2
J 3001	CONNECTOR				18FLT-SM2-TB(LF)(SN)(M)	P1091176		1-	B	e1
Q 3001	TRANSISTOR				2SB1132 T100 R	G3211327R		1-	B	e2
Q 3002	TRANSISTOR				XP1501-(TX)	G3070143		1-	B	f1
Q 3003	TRANSISTOR				RT1N441U-T11-1	G3070247		1-22	B	c1
Q 3003	TRANSISTOR				DTC144EE TL	G3070075		23-	B	c1
Q 3004	TRANSISTOR				RT1N441U-T11-1	G3070247		1-22	B	c1
Q 3004	TRANSISTOR				DTC144EE TL	G3070075		23-	B	c1
Q 3005	IC				CD4094BPWR	G1093866		1-	B	c1
Q 3006	IC				UA78L05ACPK	G1094156		1-71	B	d1
Q 3006	IC				UA78L05ACPKE6(TAPE)	G1094229		70-	B	d1
Q 3007	TRANSISTOR				XP1501-(TX)	G3070143		1-	B	c2
Q 3008	TRANSISTOR				2SA1602A-T111-1F	G3116028F		1-15	B	c2
Q 3008	TRANSISTOR				ISA1602AM1-T111-1F	G3070380		16-22	B	c2
Q 3008	TRANSISTOR				2SA1576A T106 R	G3115768R		23-	B	c2
Q 3009	IC				NJU6533KQ1(TE4)	G1094259		1-	B	d3
R 3001	CHIP RES.	560	1/8W	5%	RMC1/8T 561J	J24215561		1-	B	f1
R 3002	CHIP RES.	560	1/8W	5%	RMC1/8T 561J	J24215561		1-	B	c1
R 3003	CHIP RES.	3.3k	1/16W	5%	RMC1/16 332JATP	J24185332		1-	B	f1
R 3004	CHIP RES.	3.3k	1/16W	5%	RMC1/16 332JATP	J24185332		1-	B	f1
R 3005	CHIP RES.	1k	1/16W	5%	RMC1/16 102JATP	J24185102		1-	B	f1
R 3006	CHIP RES.	150k	1/16W	5%	RMC1/16 154JATP	J24185154		1-	B	d1
R 3007	CHIP RES.	220k	1/16W	5%	RMC1/16 224JATP	J24185224		1-	B	d1
R 3008	CHIP RES.	120k	1/16W	5%	RMC1/16 124JATP	J24185124		1-	B	d1
R 3009	CHIP RES.	2.2k	1/16W	5%	RMC1/16 222JATP	J24185222		1-	B	e2
R 3011	CHIP RES.	47k	1/16W	5%	RMC1/16 473JATP	J24185473		1-	B	e3
R 3012	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		1-	B	f1
R 3014	CHIP RES.	820	1/16W	5%	RMC1/16 821JATP	J24185821		1-	B	c1
R 3015	CHIP RES.	470	1/16W	5%	RMC1/16 471JATP	J24185471		1-	B	c1
R 3017	CHIP RES.	150k	1/16W	5%	RMC1/16 154JATP	J24185154		1-	B	c2
R 3018	CHIP RES.	82k	1/16W	5%	RMC1/16 823JATP	J24185823		1-	B	c1
R 3019	CHIP RES.	39k	1/16W	5%	RMC1/16 393JATP	J24185393		1-	B	c1
R 3020	CHIP RES.	22k	1/16W	5%	RMC1/16 223JATP	J24185223		1-	B	c1
R 3021	CHIP RES.	4.7k	1/16W	5%	RMC1/16 472JATP	J24185472		1-	B	d2
R 3022	CHIP RES.	10k	1/16W	5%	RMC1/16 103JATP	J24185103		1-	B	f1
R 3023	CHIP RES.	10k	1/16W	5%	RMC1/16 103JATP	J24185103		1-	B	e2
R 3024	CHIP RES.	10k	1/16W	5%	RMC1/16 103JATP	J24185103		1-	B	e2
R 3025	CHIP RES.	22k	1/16W	5%	RMC1/16 223JATP	J24185223		1-	B	c2
R 3026	CHIP RES.	15k	1/16W	5%	RMC1/16 153JATP	J24185153		1-	B	b1
R 3028	CHIP RES.	10k	1/16W	5%	RMC1/16 103JATP	J24185103		1-	B	b1
R 3029	CHIP RES.	470	1/16W	5%	RMC1/16 471JATP	J24185471		1-	B	d2
R 3030	CHIP RES.	5.6k	1/16W	5%	RMC1/16 562JATP	J24185562		1-	B	c1
R 3031	CHIP RES.	47k	1/16W	5%	RMC1/16 473JATP	J24185473		1-	B	b2
R 3032	CHIP RES.	3.3k	1/16W	5%	RMC1/16 332JATP	J24185332		1-	B	b2
R 3033	CHIP RES.	1k	1/16W	5%	RMC1/16 102JATP	J24185102		1-	B	b1
R 3034	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		1-	B	b3
R 3035	CHIP RES.	47k	1/16W	5%	RMC1/16 473JATP	J24185473		1-	B	b1
R 3039	CHIP RES.	560k	1/16W	5%	RMC1/16S 564JTH	J24189058		1-	B	d3
	LCD HOLDER					RA0786300		1-		
	SPONGE RUBBER				(LCD)	RA0786900		1-		
	LIGHT GUIDE				(LCD)	RA078640A		1-		
	REFLECTOR SHEET					RA0790900		1-		
	INTER CONNECTOR					RA0786200		1-		

FRONT-B Unit (VX-2200)

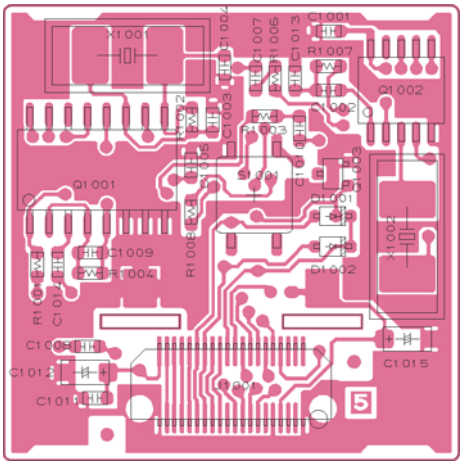
Note:

FVP-25 Encryption/DTMF Pager Unit (Option)

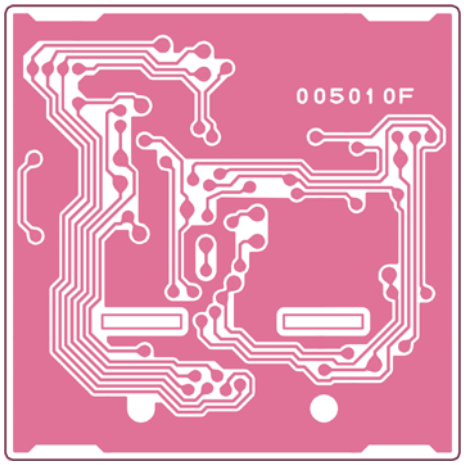
Circuit Diagram



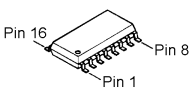
Parts Layout



Side A



Side B



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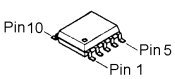
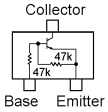


LC73881
(Q1002)



DTC144EU (26)
(Q1003)

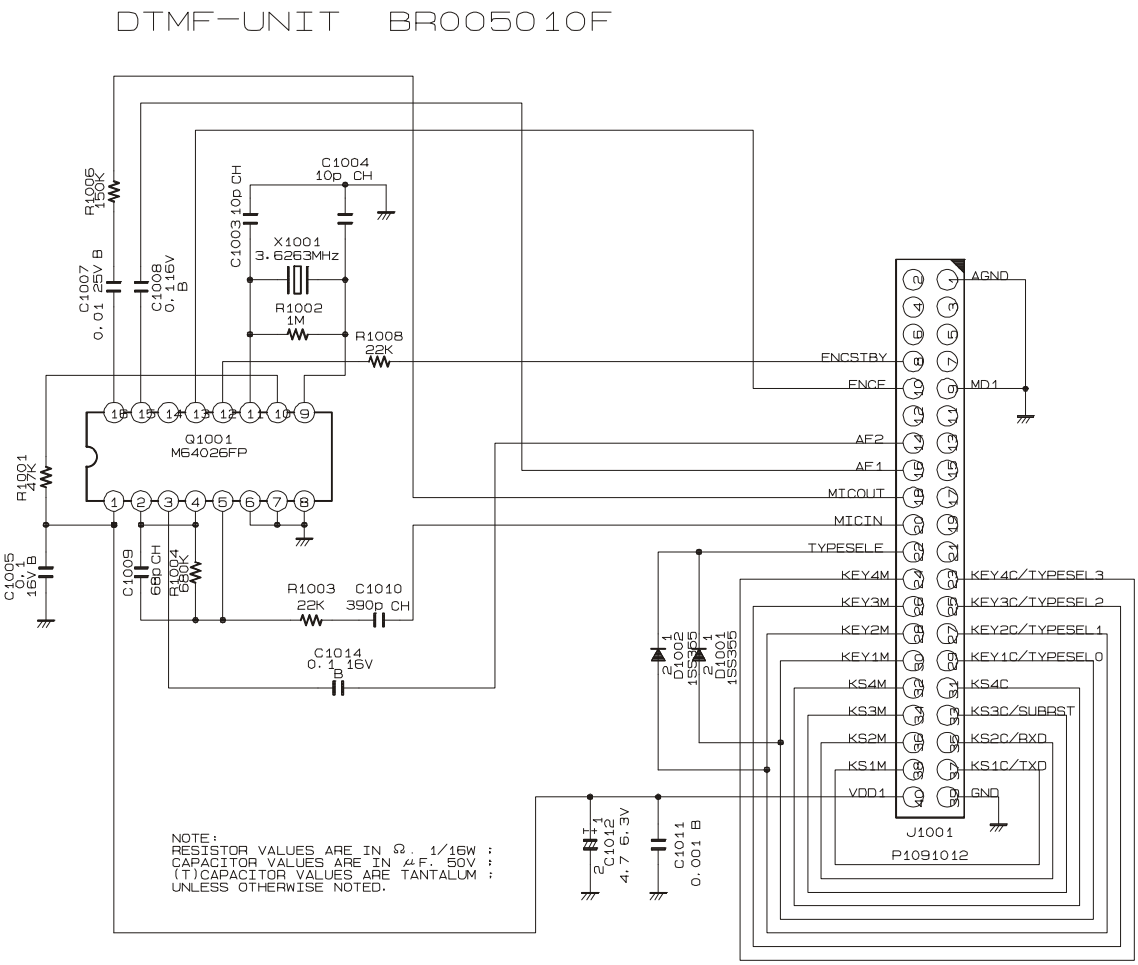
FVP-25 Encryption/DTMF Pager Unit (Option)

Parts List

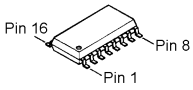
REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
C 1001	CHIP CAP.	0.1uF	16V	B	GRM188B11C104KA01D	K22124805		1-		
C 1002	CHIP CAP.	0.01uF	25V	B	GRM39B103M25PT	K22144802		1-		
C 1003	CHIP CAP.	10pF	50V	CH	GRM1882C1H100JA01D	K22174211		1-		
C 1004	CHIP CAP.	10pF	50V	CH	GRM1882C1H100JA01D	K22174211		1-		
C 1005	CHIP CAP.	0.1uF	16V	B	GRM188B11C104KA01D	K22124805		1-		
C 1007	CHIP CAP.	0.1uF	16V	B	GRM188B11C104KA01D	K22124805		1-		
C 1007	CHIP CAP.	0.01uF	25V	B	GRM39B103M25PT	K22144802		32-		
C 1008	CHIP CAP.	0.1uF	16V	B	GRM188B11C104KA01D	K22124805		1-		
C 1009	CHIP CAP.	68pF	50V	CH	GRM1882C1H680JA01D	K22174231		1-		
C 1010	CHIP CAP.	390pF	50V	CH	GRM1882C1H391JA01D	K22174255		1-		
C 1011	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-		
C 1012	CHIP TA.CAP.	4.7uF	6.3V		TEMSVA0J475M-8R	K78080017		1-		
C 1013	CHIP CAP.	0.022uF	25V	B	GRM39B223K25PT	K22144807		1-		
C 1014	CHIP CAP.	0.1uF	16V	B	GRM188B11C104KA01D	K22124805		1-		
D 1001	DIODE				1SS355 TE-17	G2070470		1-		
D 1002	DIODE				1SS355 TE-17	G2070470		1-		
J 1001	CONNECTOR				AXK5S40035P	P1091012		1-		
Q 1001	IC				M64026FP-650C	G1092754		1-		
Q 1002	IC				LC73881M-TLM	G1092755		1-		
Q 1003	TRANSISTOR				DTC144EUA T106	G3070041		1-13		
R 1001	CHIP RES.	47k	1/16W	5%	RMC1/16 473JATP	J24185473		1-		
R 1002	CHIP RES.	1M	1/16W	5%	RMC1/16 105JATP	J24185105		1-		
R 1003	CHIP RES.	22k	1/16W	5%	RMC1/16 223JATP	J24185223		1-		
R 1004	CHIP RES.	680k	1/16W	5%	RMC1/16 684JATP	J24185684		1-		
R 1006	CHIP RES.	150k	1/16W	5%	RMC1/16 154JATP	J24185154		1-		
R 1007	CHIP RES.	47k	1/16W	5%	RMC1/16 473JATP	J24185473		1-		
R 1008	CHIP RES.	10k	1/16W	5%	RMC1/16 103JATP	J24185103		1-		
R 1008	CARBON FILM RES.	22k	1/8W	5%	RD18TJ223 22K	J01215223		14-		
R 1008	CHIP RES.	22k	1/16W	5%	RMC1/16 223JATP	J24185223		17-		
R 1009	CHIP RES.	3.3M	1/16W	5%	RMC1/16 335JATP	J24185335		68-		
X 1001	XTAL SX-1315	3.6263MHz			3.6263MHZ	H0103183		1-		
X 1002	XTAL SX-1315	4.194304MHz			4.194304MHZ	H0103184		1-		

FVP-36 Voice Inversion Type Encryption Unit (Option)

Circuit Diagram



Parts Layout



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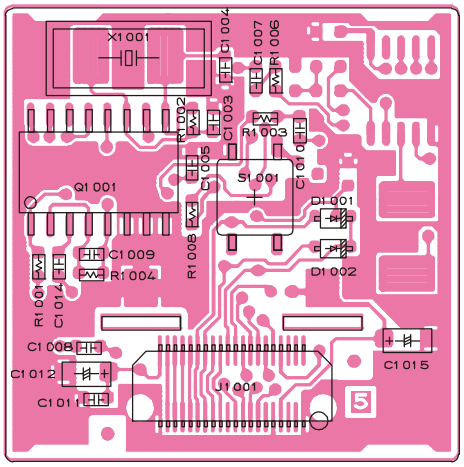
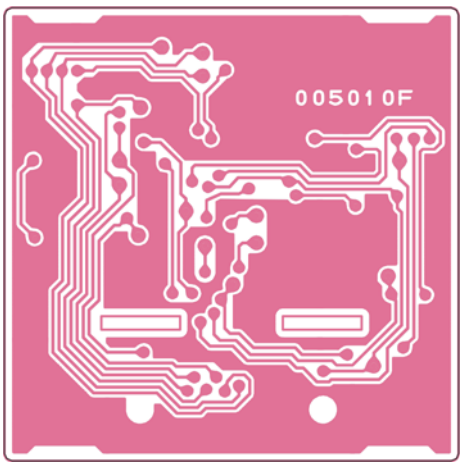


Side A



Side B

FVP-36 Voice Inversion Type Encryption Unit (Option)

Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
C 1003	CHIP CAP.	10pF	50V	CH	GRM1882C1H100JA01D	K22174211		1-		
C 1004	CHIP CAP.	10pF	50V	CH	GRM1882C1H100JA01D	K22174211		1-		
C 1005	CHIP CAP.	0.1uF	16V	B	GRM188B11C104KA01D	K22124805		1-		
C 1007	CHIP CAP.	0.01uF	25V	B	GRM39B103M25PT	K22144802		1-		
C 1008	CHIP CAP.	0.1uF	16V	B	GRM188B11C104KA01D	K22124805		1-		
C 1009	CHIP CAP.	68pF	50V	CH	GRM1882C1H680JA01D	K22174231		1-		
C 1010	CHIP CAP.	390pF	50V	CH	GRM1882C1H391JA01D	K22174255		1-		
C 1011	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-		
C 1012	CHIP TA.CAP.	4.7uF	6.3V		TEMSVA0J475M-8R	K78080017		1-		
C 1014	CHIP CAP.	0.1uF	16V	B	GRM188B11C104KA01D	K22124805		1-		
D 1001	DIODE				1SS355 TE-17	G2070470		1-		
D 1002	DIODE				1SS355 TE-17	G2070470		1-		
J 1001	CONNECTOR				AXK5S40035P	P1091012		1-		
Q 1001	IC				M64026FP-650C	G1092754		1-		
R 1001	CHIP RES.	47k	1/16W	5%	RMC1/16 473JATP	J24185473		1-		
R 1002	CHIP RES.	1M	1/16W	5%	RMC1/16 105JATP	J24185105		1-		
R 1003	CHIP RES.	22k	1/16W	5%	RMC1/16 223JATP	J24185223		1-		
R 1004	CHIP RES.	680k	1/16W	5%	RMC1/16 684JATP	J24185684		1-		
R 1006	CHIP RES.	150k	1/16W	5%	RMC1/16 154JATP	J24185154		1-		
R 1008	CHIP RES.	10k	1/16W	5%	RMC1/16 103JATP	J24185103		1-		
R 1008	CARBON FILM RES.	22k	1/8W	5%	RD18TJ223 22K	J01215223		1-		
R 1008	CHIP RES.	22k	1/16W	5%	RMC1/16 223JATP	J24185223		1-		
R 1009	CHIP RES.	3.3M	1/16W	5%	RMC1/16 335JATP	J24185335		1-		
X 1001	XTAL SX-1315	3.6263MHz			3.6263MHZ	H0103183		1-		

Vertex Standard

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